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DEPARTMENT OF AGRICULTURE
(SOIL AND CROP DIVISION)

FERTILIZERS

BULLETIN No. 87

PRINTED BY
AUTHORITY OF THE LEGISLATIVE ASSEMBLY.

VICTORIA, B.C.:
Printed by WILLIAM H. CULLIN, Printer to the King's Most Excellent Majesty.
1921.

PROVINCE OF BRITISH COLUMBIA

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(SOIL AND CROP DIVISION)

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DEPARTMENT OF AGRICULTURE,
VICTORIA, B.C., March 31st, 1921.

To His Honour WALTER CAMERON NICHOL,
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

I have the honour to submit herewith for your consideration Bulletin No. 87, entitled "Fertilizers," which has been prepared by W. Newton, Chief Soil and Crop Instructor, under the direction of Dr. D. Warnock, Deputy Minister of Agriculture.

I have the honour to be,
Sir,
Your obedient servant,

E. D. BARROW,
Minister of Agriculture.

DEPARTMENT OF AGRICULTURE,
VICTORIA, B.C., March 31st, 1921.

Hon. E. D. Barrow, M.L.A.,
Minister of Agriculture, Victoria, B.C.

SIR,—I have the honour to submit herewith for your approval Bulletin No. 87, entitled "Fertilizers," which has been prepared by W. Newton, Chief Soil and Crop Instructor, of the Live Stock Branch of this Department.

I have the honour to be,
Sir,
Your obedient servant,

DAVID WARNOCK, O.B.E.,
Deputy Minister of Agriculture.

EXCHANGE

-19-31

PROVINCE OF BRITISH COLUMBIA.

DEPARTMENT OF AGRICULTURE
(LIVE STOCK BRANCH).

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Minister of Agriculture.

DR. D. WARNOCK, O.B.E.,
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Departmental Secretary.

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FERTILIZERS.

By W. Newton, B.S.A., M.Sc.

A CLEAR conception of the economic value of fertilizers is more important to-day than at any period through which agriculture has passed. In the Province of British Columbia the yields are beginning to decrease, due to the exhaustion of the stores of fertility in our virgin soils. Crop-production costs have increased; unless fair yields are obtained the cost of production will be greater than the value of the crop.

Specialized fruit districts have become established. Their future productiveness depends largely upon the intelligent use of fertilizers.

In the mixed-farming districts, when a carefully chosen rotation, including a clover or other legume crop, is followed, and where the grain and hay is fed on the farm and the manure properly cared for, it may not be necessary to use commercial fertilizers, but when the nature of the crop prevents rotation, and where very little farmyard manure is produced, commercial fertilizers may be required.

CHEMICAL ELEMENTS NEEDED BY PLANTS.

As far as we know, there are fifteen chemical elements required for normal plant-growth. There are only four that particularly interest the farmer, for the others are usually found in abundance in all soils. These four are nitrogen, phosphorus, potassium, and calcium. When we speak of plant-food we usually refer to these elements as nitrogen, phosphoric acid, potash, and lime.

AVAILABILITY OF PLANT-FOOD.

It may be surprising to know that most farm soils, even those that produce poor crops, are abundantly supplied with plant-food. When poor crops are obtained it means that the plant-food is not available. This fact serves to emphasize the necessity of paying special attention to the numerous factors that influence the availability of the plant-food in the soil.

AERATION AND DRAINAGE.

Foremost among these factors is the question of aeration and drainage. A free circulation of air is necessary to promote the development of soil organisms that assist in changing the locked-up fertility of the soil into a form available to plant-growth. Without adequate drainage the air cannot penetrate the soil. Besides favouring the development of soil organisms, the roots of practically all plants require free air to develop normally. Air has also a direct chemical effect that not only releases plant-food, but frequently oxidizes soil substances that are injurious or toxic to plant-growth.

INCREASING THE FEEDING AREA.

Some soils are so shallow that the crop-roots are confined to a thin surface strata. The limited area from which they obtain their food will frequently account for the poor returns.

MOISTURE-SUPPLY.

The moisture-supply must be sufficient at all times during the growth of the plant. The moisture in a saturated soil is not available to plants to the same extent as when a soil is properly drained. Increasing the depth, improving the texture, and the maintenance of an adequate humus or rotted vegetable-matter content all have a direct bearing upon the supply of moisture required for plant-growth.

FUNCTION OF PLANT-FOOD CONSTITUENTS.

To intelligently use fertilizers a knowledge of the functions of the plant-food materials added to the soil is necessary. The kind of fertilizer to use upon a given soil will depend upon the character of the soil and the crop it is proposed to raise. For example, it would be poor economy to fertilize heavily with nitrogen when clover is to be the crop, because of the ability of that plant to obtain its own supply of that element.

FUNCTION OF NITROGEN AS A FERTILIZER.

Nitrogen stimulates the growth of the vegetative parts. Truck-crops such as lettuce, celery, and cabbage are greatly improved by its use owing to the fact that it stimulates rapid growth.

With certain crops there is a danger of an overapplication. If too much nitrogen is applied to potatoes the growth of vine will be stimulated at the expense of tubers.

When the season is short and the grain-crops have a tendency not to ripen, the use of nitrogen may not be advisable. On the whole, this fertilizer tends to lengthen the growing season. When trees appear to be stunted nitrogen is frequently beneficial, in that it will induce a more luxuriant growth.

Clover, alfalfa, peas, beans, vetches, and other legumes are seldom benefited by using a nitrogen fertilizer, in that this group of plants can use the free nitrogen of the air. In farm practice inclusion of a legume at short intervals in the rotation will dispense with nitrogen fertilizers.

FUNCTION OF PHOSPHORIC ACID AS A FERTILIZER.

Phosphoric acid hastens the maturity of crops. It has a ripening effect and serves to hasten grain and fruit formation; it stimulates root-development in young plants. The proportion of grain to straw is usually higher with ample phosphoric acid. In a very general way grain-crops are heavy phosphoric-acid feeders. It is required to build up protein and consequently should be liberally supplied to the legume crops that are rich in protein.

FUNCTION OF POTASH.

Potash is essential to the formation of starch, sugar, and cellulose in plants. The flavour and colour of fruits is generally credited to potassium. Potatoes and sugar-beets in particular require an abundant supply of potash owing to the quantity of starch and sugar they contain. Experiments show that soils without sufficient potash do not produce as heavy grain-crops. This is probably due to the effect of potash in prolonging the growing season of grains. However, the growing season of all crops is not prolonged by the use of potash. With roots the reverse is found to be true.

FUNCTION OF CALCIUM OR LIME.

Calcium seems to impart hardness to the plant. It has been noticed that soils containing an abundant supply of lime usually produce well-nourished crops that are capable of standing unfavourable climatic conditions, such as drought or early frost. It has also a decided beneficial effect on the texture or physical condition of the soil. Lime acts as a liberator of plant-food, particularly potash, held in insoluble forms in the soil. It neutralizes soil-acidity, a condition that is not favourable to the normal development of a great many farm crops.

TYPE OF SOIL AND FERTILIZER REQUIREMENT.

On most soils and for most crops a judicious mixture of nitrogen, phosphoric acid, and potash will give the best results. Clays or clay loams if adequately supplied with lime may not require potash. Peat soils as a rule only require lime, phosphoric acid, and potash. The nitrogen content of peat soils is usually sufficient for satisfactory crop production.

THE FINANCIAL STANDPOINT.

Viewed from the financial standpoint, the whole problem of the use of artificial fertilizers is simply one of profit or loss. Regardless of the needs of the soil or its ability to produce crops, if the use of fertilizers will increase the net profit from the crop after the cost of the fertilizer and the labour is deducted it is a profitable investment. Every farmer must determine for himself the point where the cost of a fertilizer application is greater than the value of the increased yields. Fruit and truck farmers that expend a large amount of labour on small areas find it profitable to fertilize heavily. As a rule the higher the acre value of the crop the greater is the amount that can be profitably expended on fertilizers.

PLANT-FOOD REMOVED BY CROPS.

The amount of plant-food removed by crops is indicative to a degree of their fertilizer requirements. The following table may be of some assistance:—

Crop.	Gross Weight.	Nitrogen.	Phosphoric Acid.	Potash.	Lime.
	Lb.	Lb.	Lb.	Lb.	Lb.
Wheat, 20 bu.	1,200	25	12½	7	1
Straw	2,000	10	7½	28	7
Totals	.....	35	20	35	8
Barley, 40 bu.	1,920	28	15	8	1
Straw	3,000	12	5	30	8
Totals	.....	40	20	38	9
Oats, 50 bu.	1,600	38	12	10	1½
Straw	3,000	15	6	35	9½
Totals	.....	53	18	45	11
Corn, 65 bu.	2,200	40	18	15	1
Stalks	6,000	45	14	80	20
Totals	.....	85	32	95	21
Peas, 30 bu.	1,800	..	18	22	4
Straw	3.500	..	7	38	71
Totals	.....	..	25	60	75
Flax, 15 bu.	900	39	15	8	3
Straw	1,800	15	3	19	13
Totals	.....	54	18	27	16
Meadow-hay	2.000	30	20	45	12
Red clover	4,000	..	28	66	75
Potatoes, 300 bu.	13,000	80	40	150	50
Mangels, 10 tons	20,000	75	35	150	30

FARM MANURES.

Farm manure is the oldest and one of the most important of our fertilizers. The value is better understood than formerly. The benefit to be derived from its use is threefold: First, it supplies plant-food; second, it maintains the humus or rotted vegetable-matter content of soils; third, it inoculates the soil with beneficial organisms that assist in the release of plant-food.

The quality of the manure depends upon a number of factors, the kind of animal, the quality of the feed, and the amount and kind of the bedding that is used being the most important. The manure of mature animals fed heavily on concentrates is usually the richest in plant-food. Bedding, besides affecting the composition of the manure, makes it more sanitary and easy to handle. Frequently the liquid parts of farm manures contain over half the nitrogen and potash. Unless the liquid parts are saved by means of a liquid-manure tank or by using plently of absorbent bedding a great deal of the value will be lost. Straw is the standard bedding. Dried peat has a very high absorbent power, and since it quite readily decomposes in the soil it is quite valuable for this purpose. Dried leaves and sawdust are used, but are much inferior to straw or peat because they decompose very slowly in the soil. On heavy clay soils their use may prove beneficial.

THE CARE OF STABLE MANURE.

Practically every farmer appreciates the value of the stable manures, but not all farmers appreciate the losses that occur through their methods of handling.

It is so difficult to prevent large losses that it is usually advisable to apply the manure direct from the stable to the soil. This practice is not always possible; hence the treatment of manure is important.

LEACHING.

When the manure-heap is exposed to the washing of rain and the solutions allowed to wash away the value of the manure decreases. We have already noted that the greater part of the nitrogen and potash is frequently found in the liquid parts. Furthermore, the nitrogen in the urine is largely in the form of urea, a compound that is readily changed into volatile substance, ammonium carbonate.

FERMENTATION.

There are two distinct types of fermentation that occur in manure-heaps. The first type is caused by organisms that require free air and the second by organisms that do not require free air. The first form of fermentation, that caused by organisms that require free air, is undesirable. It is responsible for large losses of nitrogen. The nitrogen in the manure is converted into a volatile form by such organisms and it escapes as a gas. To prevent this undesirable fermentation air must be excluded from as much of the manure-pile as possible. This can be done by keeping the pile as compact as possible, and since dry manure ferments more readily than wet manure it is desirable to keep the manure-pile damp.

The other form of fermentation which takes place in the absence of free air is desirable, in that it is helpful in increasing the availability of the plant-food.

STORING MANURE UNDER COVER.

To prevent loss storing manure under cover is advisable. Some farmers use covered sheds where the stock are allowed to exercise and the manure is kept compact by the tramping of the animals.

PRESERVATIVES.

By adding moist gypsum (land-plaster) to manure much loss of nitrogen due to the evolution of ammonium gas is avoided. Superphosphate and ground rock phosphate are sometimes used to good advantage.

VALUE OF FARM MANURES.

It has already been noted that the value of farm manures depends not only upon the plant food they contain, but because they maintain the humus or rotted vegetable matter of soils and introduce organisms that assist in the release of plant-food.

The following table will assist in determining the plant-food values of farm manures:—

Kind of Manure.	Nitrogen.	Phosphoric Acid.	Potash.
	Per Cent.	Per Cent.	Per Cent.
Cattle (solid fresh excrement)	0.29	0.17	0.10
Cattle (fresh urine)	0.58	...	0.49
Hen-manure (fresh)	1.63	1.54	0.85
Horse (solid fresh excrement)	0.44	0.17	0.35
Horse (fresh urine)	1.55	...	1.50
Sheep (solid fresh excrement)	0.55	0.31	0.15
Sheep (fresh urine)	1.95	0.01	2.26
Stable manure (mixed)	0.50	0.30	0.60
Swine (solid fresh excrement)	0.60	0.41	0.13
Swine (fresh urine)	0.43	0.07	0.83

NITROGEN MANURES.

The following table is a list of the commonest nitrogen manures found on the market:—

Materials.	Nitrogen.	Phosphoric Acid.	Potash.
	Per Cent.	Per Cent.	Per Cent.
1. Cotton-seed meal	6.58	2.80	1.50
2. Linseed-meal	5.30	1.60	1.25
3. Castor pomace	5.50	1.80	1.00
4. Rape-meal	5.00	1.60	...
5. Red blood	13.50	...	...
6. Black blood	12.00	...	...
7. Tankage	6.58–7.41	3–5.5	...
8. Concentrated tankage	10–12	...	...
9. Azotin (fish or meat meal)	13.00	...	...
10. Steamed horn and hoof meal	12–15	...	...
11. Dried ground fish	8.50	9.00	...
12. King crab	10.00	...	...
13. Guano	4–12	5–20	...
14. Ammonium sulphate	20.00	...	...
15. Nitrate of soda	15.30	...	...
16. Calcium nitrate	13.00	...	...
17. Calcium cyanide	16.20	...	...

The first four fertilizers are vegetable products. On account of their value as food for live stock they are not frequently sold as fertilizers.

From the fifth to the thirteenth are animal by-products. The chief characteristic of the group is that the nitrogen content is very variable. In purchasing the precaution should be taken of securing a guaranteed analysis. Their value should be based upon the pounds of nitrogen they contain. The nitrogen in groups 1 and 2 is not so available as the nitrogen in the group of chemical fertilizers. For this reason they should be used when a nitrogen-supply is desired throughout the season. Dried fish-meal is frequently quite rich in phosphoric acid. The content of phosphoric acid varies, depending upon the quantity of bone ground up in its manufacture. If the bone content is low the phosphoric-acid content is low. In the purchase both elements must be considered in estimating the cost.

The guanos also vary greatly in both nitrogen and phosphoric acid. It is largely a question as to where the guano has been collected that determines its analysis. A guarantee is a safeguard to the purchaser.

Of the chemical fertilizers, ammonium sulphate and nitrate of soda are the two commonest on the market. Ammonium sulphate is considered the best to apply to deep-rooted plants and the nitrate of soda to shallow-rooted plants. Unless the soil to which they are applied contains a high lime content the frequent use of ammonium sulphate will make a soil acid.

Nitrate of soda should never be mixed with acid phosphate before applying to the soil. A chemical action takes place if this is done that results in a considerable loss of nitrogen. It is preferable to apply the acid phosphate six or seven weeks before the date of planting and the nitrate of soda not more than a week before planting.

All the chemical nitrogen fertilizers are readily available; consequently they should be applied in small quantities shortly before they are required by the plants, otherwise the nitrogen in the form of nitrates will dissolve and leach away.

Calcium nitrate and calcium cyanamide are as valuable as the first mentioned if their value is based upon the percentage of nitrogen they contain. Calcium cyanamide should be applied shortly before seeding, for it is considered to have a slightly toxic action on vegetable-growth. More recently claims have been made that the toxic materials contained in the fertilizer have been successfully removed.

Nitrogen is an important element to consider in the study of fertilizers. Nitrogen usually costs about three times as much as phosphoric acid. This fact serves to emphasize the necessity of maintaining the nitrogen-supply in soils by the use of clover, alfalfa, and other legumes rather than by the application of nitrogen in the form of a commercial fertilizer.

PHOSPHATIC MANURES.

A number of materials are used as a source of phosphoric acid. The principal sources are listed in the following table:—

(*a.*) RAW PHOSPHATES.

	Phosphoric Acid. Per Cent.	Nitrogen. Per Cent.
1. Raw bone-meal	19–25	2–4
2. Steamed bone-meal	17.5–29	5–4.5
3. Bone-black	30	
4. Bone-ash	30–39	
5. Bone-tankage	11.5–20	4–6
6. Dried ground fish	6–16	4–11
7. Phosphatic guanos	11–42	
8. Basic slag	11–13	
9. Ground rock phosphate	25–40	

(*b.*) SUPERPHOSPHATES.

	Total Phosphoric Acid. Per Cent.	Available Phosphoric Acid. Per Cent.
1. Acid phosphate	14–18	12–16
2. Dissolved bone-black	16.5–17.5	12.5–16.5
3. Double superphosphate	48	43

RAW PHOSPHATES.

The organic phosphatic manures, the first seven in the above table, are very variable in composition.

Raw bone-meal is a finely ground product derived from raw bones. It carries considerable organic matter in the form of fats. This fatty organic matter tends to make the fertilizer very slowly available as plant-food. The phosphoric acid in steamed bone-meal is more available than bone-meal, for in the manufacturing process the fats are extracted. Grinding does not affect the composition but finely ground material is more available than coarser samples.

Bone-black, a by-product of sugar-refineries consist of bones that have been heated and distilled until all the organic or volatile matter has passed off. The product is then ground to a coarse consistency. It is sold as fertilizer when it has served its usefulness in the process of clarifying syrups.

Bone-ash that is sold as a fertilizer consists of burnt bones.

Bone-tankage consists of refuse from slaughter-houses.

Basic slag, a by-product of iron-smelters, is known by several names, as iron phosphate, Thomas phosphate, odourless phosphate, and phosphatic slag. The phosphoric acid in basic slag is often rated as valuable as the phosphoric acid in bone-meal. The composition is variable, depending upon the composition of the iron ore. The lime content of this material adds to the value on acid soils.

The phosphoric acid in ground rock phosphate is the least available of the raw phosphates. (Section (*a*) of the above table.) The composition and the fineness of the material determines its value.

Availability of the Raw Phosphates.—The raw phosphates are slowly available as plant-food and practically insoluble in water. The phosphoric acid is not entirely used the first year, so the maximum returns cannot be expected immediately. For quick-growing crops the raw phosphates are not always desirable.

SUPERPHOSPHATES.

Many of the raw phosphates are treated with sulphuric acid to render the phosphoric acid more available. The commonest of these is the acid phosphate or superphosphate of lime. The composition is variable, depending upon the phosphate ore from which it is manufactured and upon the process of manufacture.

There seems to be a great deal of confusion among farmers as to what contributes available phosphoric acid. Chemists usually class the phosphoric acid soluble in water as "soluble," and the phosphoric acid soluble in citrate acid as "reverted." The sum of the two is the "available phosphoric acid." For all practical purposes the farmer in purchasing superphosphate need only to consider the percentage of available phosphoric acid.

Dissolved bone-black is manufactured by treating bone-black with sulphuric acid.

The double superphosphates are not frequently found in the market in this country. It is manufactured by treating high-grade phosphate rich with sulphuric and phosphoric acid in solution.

The phosphatic manures as a whole are very variable in composition. Their value should be based on a guaranteed analysis. Owing to the acid nature of the superphosphates they should not be applied to sour soils. Liming should precede an application of superphosphate. When immediate returns are expected the superphosphates are superior to the raw phosphates.

POTASH MANURES.

Until the discovery of the potash-mines in Germany in 1860 wood-ash was the chief source of this constituent as a fertilizer. Until the recent European conflict practically all the potash salts used as fertilizers throughout the world came from the German mines. The war stimulated the development of other supplies. It would be difficult to say whether the supplies from the newly developed sources are to become permanent.

The following table includes the principal potash fertilizers:—

	Actual Potash. Per Cent.
1. Kainit	12.5
2. Sylvinit	12–15
3. Muriate of potash	50
4. Sulphate of potash	50
5. Double sulphate of potash and magnesium	26
6. Potassium magnesium carbonate	20–25
7. Wood-ashes	5–6
8. Kelp or seaweed (dried sample)	12
„ „ (ash)	20–30

Kainit is a crude yellowish-red salt containing about 12.5 per cent. of actual potash which is largely in the form of sulphate. Along with it are large quantities of common salt and small percentages of chloride and sulphate of magnesia.

Sylvinit.—This salt when ground is much more red in colour than kainit. It is sometimes sold by fertilizer-manufacturers under the name of kainit. It consists chiefly of chlorides, being principally composed of sodium chloride and potassium chloride.

Muriate of Potash.—Muriate of potash or potassium chloride is more generally used than any of the other salts. It varies somewhat in composition, according to the method of manufacture, but the product most commonly met with contains about 50 per cent. of actual potash. The principal impurities are common salt and certain insoluble matters which are not injurious. All the potash is immediately available.

Sulphate of Potash.—This is a yellow, dry, almost powdery substance. It is sold from 90 to 95 per cent. pure and therefore contains an equivalent of from 48 to 51 per cent. of actual potash. It is more expensive than muriate, but is more adapted for certain crops, such as tobacco and potatoes, crops injured by excessive chlorides.

Double Sulphate of Potash and Magnesia.—This product is somewhat similar to high-grade sulphate of potash in its effect on crops. It usually contains 26 per cent. actual potash.

Potassium Magnesium Carbonate.—This is a dry white manufactured product and is an excellent source of potash for crops injured by chlorides. It contains 20 to 25 per cent. actual potash. It is not sold extensively.

Wood-ashes.—The potash in wood-ashes is in the form of carbonate, which is very desirable for all plants. Good unleached ashes should contain 5 to 6 per cent. of potash. Leached ashes or ashes that have been exposed to the weather usually have lost all but one-half of 1 per cent. of their potash. But they contain some phosphoric acid and 25 to 50 per cent. of the whole material is carbonate of lime. This phosphoric acid and lime remain unchanged by weathering and leaching.

Seaweed.—The practice of using seaweed as a fertilizer is very old. During the war greater attention was paid to the value of this material owing to the scarcity of other potash fertilizers. In the fresh state the Pacific Coast seaweed contains almost as much nitrogen and more potash than farmyard manure. The analysis of dried samples proved to contain over 12 per cent. potash. Seaweed ash samples contained as high as 30 per cent. actual potash. Its value, applied either in the fresh, dried, or burnt condition, proved it to be a valuable potash fertilizer. It readily decomposes in most soils.

LIME.

Lime should be classed as a soil-stimulant rather than a fertilizer, for there are few soils that do not contain sufficient lime to supply the needs of a crop as a plant-food. The action of lime is usually not so immediate as that of a true fertilizer. It is only when soil needs lime badly and where a liberal application is given that the effect may be immediate and striking. The immediate effect of liming is more frequently seen in the case of alfalfa and clover fields than with other crops.

Although a plant-food, the primary purpose of liming is to neutralize soil-acidity. Certain crops require more lime than they are able to secure from a soil which is acid. But perhaps the most important benefit of lime is that by neutralizing the soil-acidity it stimulates favourable forms of soil organisms that increase the crop-producing power of soils.

Lime improves the texture of clay soils, an important consideration in their management.

Burnt lime, and to a lesser degree ground limestone rock, has an effect of increasing the available supply of plant-food, particularly potash in soils.

WHEN AND HOW TO APPLY LIME.

Although there are a few crops that prefer a slightly acid soil, for the most part a soil that is neutral or slightly alkali is more favourable for crop production. Soil-acidity tests are made to determine whether lime is required. The litmus is the most common test for this purpose. If a good quality blue litmus-paper is secured from a druggist and a strip pressed against the moist surface of the soil under test, the paper will turn pink, either completely pink or pink in spots, if the soil is acid. The rapidity with which the paper turns pink is a rough guide as to the degree of acidity. A little experience may be necessary in knowing just what shade is required to indicate acidity, as the paper will lose its blue colour even in a neutral soil and turn purplish in colour, which may be mistaken for the proper pink.

The hydrochloric-acid test to determine the lime content of soils is made as follows: Take 1 or 2 oz. of hydrochloric acid (muriatic acid) and dilute with equal parts water. A handful of soil, preferably wet and worked into a mud-ball should be tested by adding the hydrochloric acid. If unmistakable and distinct bubbling takes place the soil almost invariably contains sufficient lime. If no bubbling occurs lime is required. The amount of bubbling as a rule varies directly with the lime content of the soil.

FORMS OF LIME AND THEIR COMPARATIVE VALUES.

Quick or burnt lime, water-slaked or hydrated lime, and ground limestone rock are the three forms chiefly used for agricultural purposes. The kind of lime to use should be determined largely upon the basis of the amount of active lime (calcium oxide) one can buy for the dollar. In order to determine this it should be remembered that approximately 2,000 lb. of finely ground limestone or old air-slaked lime is required to equal 1,100 lb. of burnt lime or 1,500 of fresh water-slaked lime. With a delivered price on each, one can figure the cheapest form when hauled and spread. On soils that are lacking in vegetable matter the use of ground limestone is recommended. The burnt lime or fresh water-slaked lime causes a too rapid decay of vegetable matter. On peaty soils the latter forms are superior. On such soils there is a surplus of vegetable matter. Any treatment that will encourage the decay of the vegetable matter will release plant-food and is therefore beneficial.

GUARANTEES.

To aid the purchaser of fertilizers the Dominion Government has enacted a law whereby it is made illegal for any manufacturer or manufacturer's agent to offer for sale any fertilizer without giving a guarantee of the amount of plant-food constituents contained therein. The purchaser will do well to remember that, no matter how complex the guarantee may be, the valuation should be on the three items: (1) Nitrogen; (2) available phosphoric acid; (3) potash. This fact is recognized in fertilizer formulas written as 3–7–9. The meaning is that it contains 3 per cent. nitrogen, 7 per cent. phosphoric acid, and 9 per cent. potash.

CALCULATION OF THE VALUE OF FERTILIZERS.

Every farmer should be able to calculate the true market value of the fertilizer he purchases. The preference on the part of many to purchase mixed fertilizers is not to be discouraged, providing the price is in proportion to its various constituents if these were purchased singly. The manufacturers have facilities for mixing that the average farmer does not possess. A nominal charge is always allowed for mixing.

METHOD OF CALCULATING THE VALUE PER POUND OF ACTUAL PLANT-FOOD.

In the case of purely chemical fertilizers the value of a fertilizer depends upon the amount of nitrogen phosphoric acid and potash present.

Nitrate of soda contains 15 per cent. nitrogen. One ton contains 15 per cent. of 2,000 lb. or 15/100 of 2,000 = 300 lb. If the commercial value of nitrate of soda is $90 per ton, 300 lb. of actual nitrogen costs $90.

One pound of actual nitrogen would therefore cost 1/300 of $90=30 cents.

Similarly, superphosphate contains 16 per cent. available phosphoric acid.

One ton contains 16 per cent. of 2,000 lb. or 16/100 of 2,000=320 lb.

If the commercial value is $32 per ton, 320 lb. of available phosphoric acid costs $32.

One pound of available phosphoric acid therefore costs 1/320 of $32=10 cents.

Similarly, muriate of potash contains 50 per cent. actual potash.

One ton contains 50 per cent. of 2,000 lb. or 50/100 of 2,000=1000 lb.

If the commercial value of muriate of potash is $150 per ton, 1,000 lb. of actual potash costs $150.

One pound of actual potash would therefore cost 1/1000 of $150=15 cents.

A mixed fertilizer is guaranteed as a 4-9-5 fertilizer. A ton would contain the following amounts of plant-food:—

Nitrogen, 4 per cent.; therefore 1 ton contains 4/100 × 2,000 = 80 lb.

Available phosphoric acid, 9 per cent.; therefore 1 ton contains 9/100 × 2,000 = 180 lb.

Potash, 5 per cent.; therefore 1 ton contains 5/100 × 2,000 = 100 lb.

A ton of mixed fertilizer guaranteed to contain 4 per cent. nitrogen, 9 per cent. phosphoric acid, and 5 per cent. potash consists of 80 lb. actual nitrogen, 180 lb. actual available phosphoric acid. and 100 lb. actual potash.

Having calculated the value per pound of these three plant-foods when purchased singly, it is not difficult to estimate whether it is more economical to buy a mixed fertilizer.

The value of a 4-9-5 fertilizer based on the commercial values of the nitrate of soda, superphosphate, and muriate of potash quoted above would be:—

80 lb. nitrogen at 30c.	$24 00
180 „ phosphoric acid at 10c.	18 00
100 „ potash at 15c.	15 00
Total	$57 00

Added to this is the manufacturer's charges for mixing.

No fertilizer contains 100 per cent. plant-food; therefore purchasing by the ton without calculating the number of pounds of actual plant-food contained in each ton is not a safe practice.

On soils that are deficient in humus or rotted vegetable matter the organic fertilizers have a value in access of their actual plant-food content owing to their effect in improving the physical condition of the soil.

MIXING FERTILIZERS.

The operation of home-mixing must be thoroughly done or the result may prove unsatisfactory. Select a clean dry floor, preferably of concrete, and dump the fertilizers in their required proportions in a heap. After thoroughly mixing with a shovel the whole should be passed through a ⅛-inch mesh screen. If the bulk to be applied to an acre is less than half a ton the quantity should be increased by adding fine dry sand or earth.

Some fertilizers cannot be mixed on account of unfavourable chemical action. To avoid trouble do not mix the following:—

(1.) Lime, wood-ashes, or basic slag with any fertilizer containing ammonia, such as ammonium sulphate, farmyard manure, or organic manure.

(2.) Lime, wood-ashes, or calcium cyanamide with any fertilizer containing soluble phosphate, such as superphosphate or dissolved bones.

(3.) Nitrate of soda with superphosphate or dissolved bones, except for immediate application, and under no circumstances if the superphosphate or bones be not in a fine dry condition.

(4.) When muriate of potash and other potash salts are mixed with superphosphate a hard cement-like mass is likely to form if the mixture is not spread immediately. This can be avoided by adding a quantity of dry sand, sawdust, peat, or other material.

MISCELLANEOUS FERTILIZER MATERIALS.

Gypsum.—Gypsum, land-plaster, or sulphate of calcium acts more as a soil-stimulant than a direct fertilizer. Its value from an agricultural standpoint is similar in some respects to lime, in that it improves the mechanical condition of clay soils and tends to make the potash content of soils more available. Gypsum will not correct soil-acidity and therefore cannot be used to take the place of lime for such a purpose. It does not hasten the decay of vegetable matter in soils to the same extent as lime. The value of gypsum to lessen the toxic properties of black alkali in soils has long been recognized.

Sulphur.—That gypsum, calcium sulphate, is of value as a plant-food owing to its sulphur content has long been a debated question. The consensus of opinions appears to be that most soils contain enough sulphur as a plant-food. In humid districts the amount of sulphur added to the soil dissolved in the rain-water is in itself sufficient. It is probable, however, that indirectly sulphur has a beneficial effect when applied to some crops. The most apparent results from sulphur have been secured when it is applied to alfalfa and clover. Flowers of sulphur are used, but the sulphur has to be converted in the soil into a sulphate form before it is of value to the crop. For this reason an application in the fall is preferable to a spring application. Gypsum or calcium sulphate may be applied in the spring to better advantage.

Common Salt.—Common salt, or sodium chloride, has been used for many years in the older countries. It supplies no essential ingredient of plant-growth. The value as a fertilizer is probably due to its action in the soil of setting free more important constituents.

FERTILIZER FORMULAE FOR CROPS.

	Nitrogen.	Phosphoric Acid.	Potash.	Lb. to Acre.
	Per Cent.	Per Cent.	Per Cent.	
Wheat	4	7	3	300 to 600
Barley	5	7	3	250 to 600
Rye	4	6	9	300 to 600
Oats	4	5	9	300 to 800
Buckwheat	4	7	9	400 to 800
Corn	3	7	6	500 to 1,000
Tobacco	5	5	8	1,000 to 2,000
Potatoes	5	6	8	500 to 1,500
Clovers and legumes ...	1	7	9	400 to 800
Rape	3	4	4	300 to 600
Roots	5	5	7	400 to 800
Asparagus and rhubarb..	4	6	7	400 to 800
Beans and peas	1	7	8	400 to 800
Lettuce	5	5	8	900 to 1,500
Cabbage and Cauliflower	5	6	8	800 to 2,000
Cucumbers	5	5	7	500 to 1,500
Celery	5	5	9	1,100 to 1,500
Tomatoes	5	5	7	500 to 1,000
Onions	5	5	10	500 to 1,000
Sweet corn	4	8	10	500 to 1,000
Strawberries	3	9	12	500 to 800
Fruit-trees	2	8	11	400 to 700
Blackberries	2	5	8	500 to 800
Raspberries	3	6	9	500 to 800
Loganberries	3	6	9	500 to 800

Example.—Formula selected: Strawberries 3-9-12.
Quantity to be used: 500 lb.
Amount of actual nitrogen to be supplied: 3 per cent. of 500 = 15 lb.
Amount of actual phosphoric acid: 9 per cent. of 500 = 45 lb.
Amount of actual potash to be supplied: 12 per cent. of 500 = 60 lb.
If the composition of fertilizers used to supply the three plant foods are:—
Nitrate of soda, 15 per cent. nitrogen;
Superphosphate, 16 per cent. available phosphoric acid;
Muriate of potash, 52 per cent. actual potash,—
15 lb. nitrogen will be supplied by 100 lb. nitrate of soda.
45 „ phosphoric acid supplied by 45/16×100 = 280 lb. superphosphate.
60 „ potash supplied by 60/52×100 = 115 lb. muriate of potash.

The fertilizer formulæ for the crops given are compiled for average conditions. On heavy soils well supplied with lime the proportion of the potash may be decreased. On soils that have an excess of vegetable matter the nitrogen proportion may be decreased. If clovers or other legumes are included at short intervals in a crop-rotation the amount of nitrogen that is necessary to apply may be materially decreased.

The commercial value of fertilizers varies from year to year. This variation must be considered when a fertilizer formula for any crop is selected. For example, the present price of potash is so high that it would probably be wise to reduce the amount of potash in the formulæ listed until the price returns to normal.

Soil conditions are so variable in the Province of British Columbia that it would be unwise to lay down any hard-and-fast formula. Every farmer should attempt to determine the fertilizer formula that suits his particular soil and crop needs. This may be done by selecting a uniform field and applying different fertilizers and fertilizer mixtures in a manner that the comparative yields resulting therefrom can be easily determined.

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DEPARTMENT OF AGRICULTURE
(STATISTICS BRANCH)

AGRICULTURAL STATISTICS, 1920

BULLETIN No. 88

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AUTHORITY OF THE LEGISLATIVE ASSEMBLY.

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DEPARTMENT OF AGRICULTURE,
VICTORIA, B.C., April 16th, 1921.

To His Honour WALTER CAMERON NICHOL,
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

I have the honour to submit herewith Bulletin No. 88, entitled "Agricultural Statistics, 1920," which has been compiled by G. H. Stewart, Statistician, Department of Agriculture, under the direction of Dr. D. Warnock, O.B.E., Deputy Minister.

I have the honour to be,
Sir,
Your obedient servant,

E. D. BARROW,
Minister of Agriculture.

DEPARTMENT OF AGRICULTURE,
VICTORIA, B.C., April 16th, 1921.

Hon. E. D. Barrow,
Minister of Agriculture, Victoria, B.C.

SIR,—I have the honour to submit herewith for your approval Bulletin No. 88, entitled "Agricultural Statistics, 1920," which has been compiled by G. H. Stewart, Statistician, Department of Agriculture.

I have the honour to be,
Sir,
Your obedient servant,

D. WARNOCK, O.B.E.,
Deputy Minister of Agriculture.

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ACKNOWLEDGMENTS.

Grateful acknowledgments are tendered to the following for valuable co-operation in supplying data contained in this bulletin: Various produce merchants for data relating to imports from other Provinces in Canada; Dominion Express Company and Canadian National Express Company for data showing express movements of fruits and vegetables; F. Napier Denison, Superintendent, Meteorological Observatory, British Columbia, for meteorological data; and Department of Customs, Ottawa, for statements relating to imports from foreign points.

INTRODUCTION.

THIS bulletin contains statistics of the agricultural industries of the Province of British Columbia. These statistics relate to areas of land under crop and under cultivation; production of the various crops; animals, animal products, and climate as affecting agriculture. Included also are statements relating to express movements of fruits and vegetables and imports of all agricultural food products.

The data shown for 1918, 1919, and 1920 relating to the area of field crops and numbers of live stock were determined by means of a postal census in June, taken through the joint efforts of the Dominion and Provincial Governments.

The total number of farmers, or separate farms, in the Province, according to a registration taken in 1918 by the Dominion Registration Board, was 15,146. This total did not include farmers' sons. The names of new settlers were added to this list for the 1919 and 1920 census. Of the total farmers, over 60 per cent. responded to the inquiries sent out. The percentage of returns received this year stands higher than from any other Province in the Dominion and the highest on record in British Columbia.

It appears from the returns received that the farmers of this Province are beginning to realize the importance of rendering full and accurate returns to this office, and it is only a matter of a short time until the desired results will be obtained in British Columbia.

AGRICULTURAL STATISTICS, 1920.

SYNOPSIS OF AGRICULTURAL CONDITIONS IN BRITISH COLUMBIA, YEAR 1920.

Owing to very unfavourable weather conditions throughout the year the volume of agricultural production only slightly exceeded that of the previous year. The spring of 1920 was much later than the average, which greatly retarded an early growth, whilst excessive rains during September and October did considerable damage to all grain and root crops. The total agricultural production amounted to $68,926,090, as against $65,384,556 for the year 1919, an increase of $3,541,534, or 5.41 per cent. Increases are shown in meats, poultry products, dairy products, vegetables, and fodders, while the chief losses are to be noted in the production of grains and fruit.

Total imports of food products during 1920 amounted to $26,816,469, an increase of $3,911,942 or 17.07 per cent. over the previous year. It is to be regretted that there was a considerable increase in the importations from the United States, as this has the effect of helping to keep up the adverse rate of exchange on Canadian money in the United States.

It is estimated that the total value of exports for the year amounted to $6,000,000. The exports consisted chiefly of fruits and vegetables.

FRUITS.

The fruit-trees came through the winter of 1919–20 in very poor condition, and with late frosts in the spring a greatly reduced yield was to be expected.

The total production of all fruits amounted to 94,423,814 lb., or 66.17 per cent. of the production for 1919. The prices of all fruits ranged higher than during the previous year. This increase may be accounted for owing to the increased cost of labour, materials, and freight rates. All fruits, with the exception of pears and cherries, showed a decrease in production.

VEGETABLES.

The area of potatoes was slightly less than the previous year. Owing to excessive rains during September and October considerable loss occurred to the crop, which reduced the yield per planted acre from 6.10 tons to 4.95 tons. The total yield was 4.13 per cent. less than in 1919.

The total yield of root-crops was 19.44 per cent. greater than in 1919. The average yield per acre in 1920 was 10.87 tons, as against 9.12 tons in 1919.

There was an increase of 74.82 per cent. in the yield of tomatoes.

GRAINS.

The total area sown to grains as shown by the June census was 3.74 per cent. greater than in 1919. Owing to unfavourable weather during the harvesting season the area of grain for threshing was greatly reduced. The loss in oats alone was estimated at 30 per cent. of the area sown, whilst the loss of wheat was estimated at 20 per cent. The total yield of all grains was 12.64 per cent. below the year 1919.

The prices of all grains showed considerable reduction below the prices for 1919.

FODDERS.

Practically the same area was planted to fodders in 1920 as was planted in 1919. The yield, however, was 7.63 per cent. greater. Clover and timothy averaged 2 tons to the acre, as against 1.50 tons in 1919, whilst the price per ton was slightly less in 1920.

The total value of all fodders was 15.97 per cent. greater than in 1919.

LIVE STOCK.

There was a small increase in the number of horses in the Province over the preceding year.

A small increase is all to be noted in beef and dairy cattle.

Sheep increased in numbers to the extent of 3.29 per cent. over 1919.

The numbers of poultry increased 13.46 per cent. during the year. The quantity of eggs produced shows an increase of 13.46 per cent. over 1919; 19.94 per cent. less eggs were imported into the Province during the year 1920 than were imported during 1919.

MEATS.

The total quantity of meats marketed during the year increased 17.56 per cent., whilst the total value was 13.03 per cent. greater. The chief increase was in beef. A slight decrease occurred in pork and pork products. The prices of all meats were on the decline towards the end of the year.

DAIRY PRODUCTS.

The cold backward spring and subsequent drought had the effect of materially reducing the milk-flow amongst dairy herds. There was a marked increase in the quantity of butter manufactured by creameries.

The total quantity of cheese manufactured during the year amounted to 354,053 lb., an increase of 49,551 lb. over 1919.

Figures are given for the first time regarding the production of ice-cream in the Province, which amounted to 284,413 gallons.

The total value of all dairy products in 1920 increased 5.58 per cent. over 1919. Total imports of dairy products during the year increased in value 17.69 per cent. over the year 1919.

G. H. STEWART,
Statistician.

April 16th, 1921.

PRODUCTION.

TABLE No. 1.—AGRICULTURAL PRODUCTION, BRITISH COLUMBIA, YEARS 1919–20.

Description.	1919.		1920.	
	Quantity.	Value.	Quantity.	Value.
Horses .... No.	....	$ 2,214,850	....	$ 2,228,900
Beef cattle .... „	....	8,318,820	....	9,983,520
Dairy cattle .... „			....	
Sheep .... „	....	719,760	....	502,203
Swine .... „	....	1,034,080	....	1,100,250
Goats .... „	....	150,000	....	200,000
Total live stock	....	$12,437,510	....	$14,014,873
Beef and veal .... lb.	16,500,000	$ 2,937,000	19,900,000	$ 3,502,400
Pork and pork products .... „	2,900,000	700,350	2,844,000	594,396
Mutton .... „	420,000	93,450	558,000	120,416
Total meats	19,820,000	$ 3,730,800	23,302,000	$ 4,217,212
Poultry .... lb.	4,133,573	$ 1,446,750	4,690,287	$ 1,641,600
Eggs .... doz.	3,990,075	2,394,045	4,193,490	2,516,094
Total poultry products	....	$ 3,840,795	....	$ 4,157,694
Butter .... lb.	2,318,290	$ 1,376,497	2,674,444	$ 1,676,640
Cheese .... „	304,502	88,305	354,053	103,335
Milk (as fresh) .... gals.	9,470,377	3,977,558	8,908,310	4,097,822
Milk (evaporated) .... cases	243,215	1,362,004	10,323	64,519
Milk (sterilized) .... „			164,060	781,121
Ice-cream .... gals.	....	....	284,413	460,623
Total dairy products	....	$ 6,804,364	....	$ 7,184,060
Apples .... lb.	112,303,700	$ 4,861,302	67,721,245	$ 3,114,554
Other tree-fruits .... „	22,528,200	1,440,102	22,227,716	1,553,932
Small fruits .... „	7,860,500	1,471,070	4,474,853	989,672
Total fruits	142,692,400	$ 7,772,474	94,423,814	$ 5,658,158
Potatoes .... tons	91,800	$ 3,061,530	88,011	$ 3,754,549
Other vegetables .... „	110,211	4,349,665	125,418	5,144,370
Total vegetables	202,011	$ 7,411,195	213,429	$ 8,898,919
Hay (clover and timothy) .... tons	189,376	$ 6,675,504	254,034	$ 8,891,190
Other fodders .... „	336,026	8,336,729	311,503	8,519,662
Total fodders	525,402	$15,012,233	565,537	$17,410,852
Grains .... bu.	3,853,999	$ 6,088,913	3,366,675	$ 5,086,959
Honey .... lb.	344,580	$ 103,374	225,670	$ 67,701
Wool .... „	310,000	186,000	258,306	77,492
Hops .... „	337,440	202,464	862,755	405,494
Tobacco .... „	93,000	18,600	90,000	18,000
Goats' milk .... gals.	75,000	45,000	75,450	45,300
Rabbits	....	80,834	....	83,376
Total miscellaneous	....	$ 636,272	....	$ 697,363
Indian products	....	$ 1,650,000	....	$ 1,600,000
Grand totals	....	$65,384,556	....	$68,926,090

TABLE No. 2.—BRITISH COLUMBIA AGRICULTURAL PRODUCTION AND IMPORTS. YEARS 1919–20 (VALUES ONLY).

Description.	Year.	Production.	Imports from other Canadian Provinces.	Imports from Foreign Points.	Total Imports.
Live stock	1919	$12,437,510	$ 3,418,966	$ 52,784	$ 3,471,750
	1920	14,014,873	3,984,007	103,976	4,087,983
Meats	1919	3,730,800	2,460,904	1,180,655	3,649,559
	1920	4,217,212	1,357,642	2,189,316	3,546,958
Poultry Products	1919	3,840,795	834,298	428,387	1,262,685
	1920	4,137,694	395,501	601,843	997,344
Dairy products	1919	6,804,364	3,328,728	446,590	3,775,318
	1920	7,184,060	3,859,946	583,399	4,443,345
Fruits	1919	7,772,474	43,675	701,767	745,442
	1920	5,638,158	47,493	1,285,964	1,333,457
Vegetables	1919	7,411,195	81,495	500,123	581,618
	1920	8,898,919	173,741	955,442	1,128,183
Fodders	1919	15,012,233	737,248	326,977	1,064,225
	1920	17,410,852	164,594	616,967	781,561
Grains	1919	6,088,913	7,676,876	597,593	8,274,469
	1920	5,086,959	8,920,356	1,393,676	10,314,032
Miscellaneous	1919	636,272	8,024	79,437	87,461
	1920	697,363	701	182,905	183,606
Indian products	1919	1,650,000	....	....	....
	1920	1,600,000	....	....	....
Totals	1919	$63,384,556	$18,590,214	$4,314,313	$22,904,527
	1920	$68,926,090	$18,902,981	$7,913,488	$26,816,469

TABLE No. 3.—BRITISH COLUMBIA AGRICULTURAL PRODUCTION AND IMPORTS (VALUES ONLY), YEARS 1909–20.

Year.	Home Production.	Imports.	Year.	Home Production.	Imports.
1909	$ 8,000,000	$11,110,237	1915	$31,127,801	$16,434,970
1910	14,398,990	15,187,227	1916	32,182,915	17,199,662
1911	21,641,928	14,699,854	1917	37,661,850	19,786,206
1912	22,260,768	15,252,022	1918	49,444,308	21,905,446
1913	26,222,033	20,070,757	1919	65,384,556	22,904,527
1914	30,184,100	25,199,125	1920	68,926,090	26,816,469

TABLE No. 4.—CROP AREAS, YIELDS, AND VALUES, BRITISH COLUMBIA, YEARS 1918–20.

Crop.	Year.	Acres.	Average Yield.	Total Yield.	Price.	Value.
			Bu.	Bu.		
Fall wheat	1918	7,200	24.75	178,200	$ 2 15	$ 383,130
	1919	12,699	24.75	314,300	2 40	754,320
	1920	13,762	19.25	264,918	2 18	577,521
Spring wheat	1918	29,000	22.00	638,000	2 08	1,327,040
	1919	31,202	22.00	686,444	2 31	1,585,683
	1920	32,453	18.75	608,493	2 21	1,344,769
All wheat	1918	36,200	22.55	816,200	2 10	1,710,170
	1919	43,901	22.75	1,000,744	2 34	2,340,005
	1920	46,215	19.00	873,411	2 20	1,922,290
Oats	1918	39,000	39.75	1,550,250	1 00	1,550,250
	1919	45,021	47.25	2,127,242	1 07	2,276,148
	1920	47,992	34.75	1,667,722	0 96	1,601,013
Barley	1918	7,927	26.50	210,065	1 47	308,795
	1919	10,497	33.00	346,401	1 82	630,449
	1920	9,646	37.75	364,136	1 50	546,204
Rye	1918	820	30.00	24,600	2 07	50,922
	1919	4,911	22.50	110,497	2 08	229,833
	1920	5,367	25.75	138,200	2 02	279,164
Peas	1918	2,193	21.50	47,149	3 00	141,447
	1919	2,251	23.00	51,773	2 63	136,162
	1920	2,657	26.00	69,082	3 05	210,700
Beans	1918	2,748	18.50	50,838	4 20	213,520
	1919	1,677	17.25	28,928	3 75	108,480
	1920	1,615	20.00	32,300	4 50	145,350
Corn for husking	1918	325	32.00	10,400	4 35	45,240
	1919	857	35.00	29,995	4 50	134,977
	1920	1,008	34.50	34,776	4 00	139,104
Buckwheat	1918	80	....	......	....	....
	1919	317	21.00	6,657	1 60	10,651
	1920	277	22.00	6,094	1 40	8,531
Other grain-crops	1918	350	....	......	....	....
	1919	4,911	....	......	....	....
	1920	3,205	....	......	....	....
Flax	1918	325	....	......	....	....
	1919	857	6.00	5,142	4 15	21,339
	1920	801	6.00	4,806	3 00	14,418
Mixed grains	1918	3,228	21.50	69,402	1 10	76,342
	1919	4,017	36.50	146,620	1 37	200,869
	1920	4,893	36.00	176,148	1 25	220,185
Total grains ...	1918	93,196	....	2,778,904	....	$4,096,686
	1919	119,217	....	3,853,999	....	6,088,913
	1920	123,676	....	3,366,675	....	5,086,959
			Tons.	Tons.		
Grain-hay	1918	25,016	2.22	55,536	$26 60	$1,477,258
	1919	60,390	2.50	150,975	29 00	4,378,275
	1920	60,612	2.25	136,377	33 12	4,516,806
Clover and timothy	1918	114,414	1.90	217,400	33 25	7,228,600
	1919	126,251	1.50	189,376	35 25	6,675,504
	1920	127,017	2.00	254,034	35 00	8,891,190
Alfalfa	1918	12,268	3.25	39,900	32 25	1,286,800
	1919	13,331	3.00	39,993	37 00	1,479,741
	1920	13,478	3.00	40,434	33 71	1,363,030
Wild hay	1918	43,950	1.43	62,848	20 16	1,267,016
	1919	40,528	1.66	67,276	22 97	1,545,829
	1920	39,573	1.35	53,423	25 30	1,351,601
Fodder corn	1918	2,016	10.10	20,400	10 00	204,000
	1919	4,368	11.50	50,232	12 00	602,784
	1920	4,713	11.50	54,199	17 75	962,032
Kale and rape	1918	......	....	......	....	....
	1919	1,450	19.00	27,550	12 00	330,600
	1920	1,421	19.05	27,070	12 05	326,193
Total fodders..	1918	197,664	....	396,084	....	11,463,674
	1919	246,318	....	525,402	....	15,012,233
	1920	246,814	....	565,537	....	17,410,852

TABLE No. 4.—CROP AREAS, YIELDS, AND VALUES, BRITISH COLUMBIA, YEARS 1918–20—*Continued.*

Crop.	Year.	Acres.	Average Yield.	Total Yield.	Price.	Value.
			Tons	Tons.		
Potatoes	1918	15,013	6.84	102,688	$32 33	$3,320,300
	1919	18,000	5.10	91,800	33 35	3,061,530
	1920	17,780	4.95	88,011	42 66	3,754,549
Roots	1918	5,758	11.56	66,562	21 90	1,457,900
	1919	7,387	9.12	67,369	30 00	2,021,070
	1920	7,403	10.87	80,470	32 40	2,607,228
Market vegetables	1918	3,810	5.99	22,833	46 00	1,050,318
	1919	6,348	6.20	39,358	49 35	1,942,317
	1920	5,456	7.19	39,228	49 72	1,950,416
Rhubarb	1918	.....	....	410	52 68	21,599
	1919	.....	....	410	89 22	36,580
	1920	.....	....	346	106 84	36,966
Tomatoes	1918	.....	....	13,927	52 11	725,736
	1919	.....	....	3,074	113 76	349,698
	1920	.....	....	5,374	102 30	549,760
Total vegetables	1918	.....	....	206,420	....	$6,575,853
	1919	.....	....	202,011	....	7,411,195
	1920	.....	....	213,429	....	8,898,919
			Lb.	Lb.		
Hops	1918	.....	....	......	....	....
	1919	444	760	337,440	$0 60	$ 202,464
	1920	509	1,695	862,755	0 47	405,494
Pasture meadow	1918	45,000	....	......	....	....
	1919	61 220	....	......	....	....
	1920	61,942	....	......	....	....
Fallow	1918	11,880	....	......	....	....
	1919	17,845	....	......	....	....
	1920	16,662	....	......	....	....
Total miscellaneous	1918	.....	....	......	....	....
	1919	.....	....	337,440	$0 60	$ 202,464
	1920	.....	....	862,755	0 47	405,494

TABLE No. 5—CARS OF FRUIT PRODUCED IN BRITISH COLUMBIA, YEARS 1918–20.

(Basis.—1918, Minimum weight per car: Apples, crab-apples, and pears, 12 tons; balance, 10 tons. 1919–20, minimum weight per car; Apples, crab-apples, and pears, 15 tons; balance, 12 tons.)

Kind.	Year.	Islands.	Lower Mainland.	Thompson Watershed.	Okanagan and Boundary.	Kootenay.	Total Cars.
Apples	1918	84.8	83.2	162.9	1,761.2	202.7	2,294.8
	1919	84.0	62.9	239.0	2,749.0	314.7	3,449.6
	1920	48.0	45.3	158.4	1,641.2	175.6	2,068.5
Crab-apples	1918	2.7	1.3	13.1	90.7	4.3	112.1
	1919	0.7	1.5	24.7	261.8	5.1	293.8
	1920	0.7	0.5	23.5	160.6	3.3	188.6
Pears	1918	14.5	32.2	1.9	94.2	6.5	149.3
	1919	11.5	16.3	1.0	76.8	4.8	110.4
	1920	15.6	17.4	3.0	92.8	5.0	133.8
Peaches	1918	0.3	....	....	192.9	4.0	197.2
	1919	0.2	....	....	129.1	6.0	135.3
	1920	....	....	....	121.2	4.0	125.2
Plums and prunes	1918	14.3	17.8	2.8	163.3	12.1	210.3
	1919	5.6	20.9	3.4	192.5	14.3	236.7
	1920	6.0	28.9	1.1	154.7	7.7	198.4
Apricots	1918	....	....	....	51.1	....	51.1
	1919	....	....	....	53.8	0.7	54.5
	1920	....	....	....	39.8	0.5	40.3
Cherries	1918	7.9	13.9	1.0	32.3	7.7	62.8
	1919	7.5	8.4	1.6	36.8	7.0	61.3
	1920	6.7	4.3	0.9	71.6	7.8	91.3
Total tree-fruits	1918	124.5	148.4	181.7	2,385.7	237.3	3,077.6
	1919	109.5	110.0	269.7	3,499.8	352.6	4,341.6
	1920	77.0	96.4	186.9	2,281.9	203.9	2,846.1

TABLE No. 5—CARS OF FRUIT PRODUCED IN BRITISH COLUMBIA, YEARS 1918–20—*Continued.*

Kind.	Year.	Islands.	Lower Mainland.	Thompson Watershed.	Okanagan and Boundary.	Kootenay.	Total Cars.
Strawberries	1918	32.3	53.6	1.9	1.8	17.9	107.5
	1919	43.3	48.3	1.5	2.2	20.4	115.7
	1920	31.3	34.2	0.8	1.6	8.2	76.1
Raspberries	1918	1.2	113.0	2.9	1.6	8.0	126.7
	1919	0.9	135.5	2.7	2.9	6.7	148.7
	1920	1.1	52.1	1.6	2.0	6.5	63.3
Blackberries	1918	0.4	16.7	....	0.3	0.7	18.1
	1919	0.4	24.3	0.2	0.3	1.0	26.2
	1920	0.6	11.9	....	0.4	0.5	13.4
Loganberries	1918	2.2	6.5	1.7	.....	....	10.4
	1919	3.8	2.5	1.7	.....	0.1	8.1
	1920	5.2	3.0	0.3	.....	....	8.5
Bush fruits	1918	4.3	11.1	1.3	1.8	9.5	28.0
	1919	2.5	11.9	1.9	3.2	9.0	28.5
	1920	3.5	9.4	1.7	3.8	6.8	25.2
Total small fruits	1918	40.4	200.9	7.8	5.5	36.1	290.7
	1919	50.9	222.5	8.0	8.6	37.2	327.2
	1920	41.7	110.6	4.4	7.8	22.0	186.5
Total all fruits	1918	164.9	349.3	189.5	2,391.2	273.4	3,368.3
	1919	160.4	332.5	277.7	3,508.4	389.8	4,668.8
	1920	118.7	207.0	191.3	2,289.7	225.9	3,032.6

For 1918 there must be added approximately 350 car-loads of tree-fruits other than apples not otherwise provided, making a total for the Province of 3,718.3 cars.

For 1919 there must be added approximately 310 car-loads of tree-fruits other than apples not otherwise provided, making a total for the Province of 4,978.8 cars.

For 1920 there must be added approximately 303 car-loads of tree-fruits other than apples not otherwise provided, making a total for the Province of 3,335.6 cars.

TABLE No. 6.—AVERAGE NET WEIGHTS PER PACKAGE, FRESH FRUITS AND VEGETABLES, YEARS 1917–20.

Description.	Package.	1917.	1918.	1919.	1920.
		Lb.	Lb.	Lb.	Lb.
Apples	Box	43	41	41	41
Crab-apples	„	..	40	37	37
Pears	„	45	44	42	42
Plums	Crate	20	..	17	17
Prunes	„	18	..	16	16
Peaches	„	18	19	19	19
Apricots	„	21	20	20	20
Cherries	„	16	16	16	16
Strawberries (pints)	„	18	17	16	16
Raspberries (pints)	„	18	15	15	15
Raspberries (⅘ quarts)	„	14	15	15	15
Blackberries (pints)	„	18	16	16	16
Blackberries (⅘ quarts)	„	14	16	16	16
Loganberries (pints)	„	16	16	16	16
Loganberries (⅘ quarts)	„	12	16	16	16
Bush-fruits	„	18	17	17	17
Grapes	„	18	..	16	16
Rhubarb	„	40	40	40	40
Tomatoes	„	25	..	17	17

Average Tons per Car-load, Years 1917–20.

	Tons.
Potatoes	18
Field roots	20
Market-garden	12
Other vegetables	15
Rhubarb	15
Tomatoes	12

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1917–20.

APPLES.

District.	Year.	Packages.	Value.
Islands	1917	58,564	$ 87,846
	1918	49,680	79,488
	1919	61,467	103,510
	1920	35,160	66,830
Lower Mainland	1917	35,971	50,359
	1918	48,704	73,056
	1919	46,050	53,293
	1920	33,186	57,603
Thompson	1917	63,000	78,750
	1918	95,377	155,264
	1919	174,878	293,700
	1920	115,906	244,341
Okanagan and Boundary	1917	1,312,804	1,627,877
	1918	1,030,986	1,826,350
	1919	2,011,451	3,692,912
	1920	1,200,867	2,285,106
East and West Kootenay	1917	32,582	42,682
	1918	118,703	185,069
	1919	230,286	407,038
	1920	128,504	248,946
Totals	1917	1,502,921	$1,887,514
	1918	1,343,450	2,319,227
	1919	2,524,132	4,550,453
	1920	1,513,623	2,902,826

CRAB-APPLES.

District.	Year.	Packages.	Value.
Islands	1917	914	$ 1,097
	1918	823	1,317
	1919	539	1,325
	1920	552	1,309
Lower Mainland	1917	......	....
	1918	815	1,222
	1919	1,200	2,400
	1920	431	418
Thompson	1917	13,000	13,000
	1918	7,863	9,236
	1919	20,000	21,400
	1920	19,100	25,375
Okanagan and Boundary	1917	132,008	132,008
	1918	54,422	81,632
	1919	212,308	281,018
	1920	130,263	180,860
East and West Kootenay	1917	1,964	2,121
	1918	2,605	3,253
	1919	4,177	4,706
	1920	2,700	3,766
Totals	1917	147,886	$ 148,226
	1918	66,528	96,660
	1919	238,224	310,849
	1920	153,046	211,728

PEARS.

District.	Year.	Packages.	Value.
Islands	1917	6,870	$ 11,335
	1918	7,900	14,615
	1919	8,225	17,841
	1920	11,139	21,324
Lower Mainland	1917	7,145	10,717
	1918	17,561	31,606
	1919	11,617	21,581
	1920	12,462	25,252
Thompson	1917	1,000	2,000
	1918	1,017	2,252
	1919	750	1,688
	1920	2,175	6,150
Okanagan and Boundary	1917	24,771	43,845
	1918	51,332	109,100
	1919	54,828	141,142
	1920	66,262	152,239
East and West Kootenay	1917	1,215	2,369
	1918	3,552	7,480
	1919	3,444	7,650
	1920	3,678	9,523
Totals	1917	41,001	$ 70,266
	1918	81,362	165,058
	1919	78,864	189,902
	1920	95,716	214,488

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1917-20—*Continued.*

PLUMS AND PRUNES.

District.	Year.	Packages.	Value.
Islands	1917	17,292	$ 11,240
	1918	14,270	14,270
	1919	7,962	10,640
	1920	8,555	10,951
Lower Mainland	1917	41,183	26,769
	1918	17,851	16,066
	1919	29,535	24,345
	1920	40,749	23,747
Thompson	1917	2,100	840
	1918	2,813	3,258
	1919	4,800	4,800
	1920	1,625	3,087
Okanagan and Boundary	1917	153,104	113,297
	1918	163,292	158,225
	1919	271,771	306,587
	1920	218,432	259,031
East and West Kootenay	1917	8,782	7,026
	1918	12,066	8,827
	1919	20,215	15,332
	1920	10,858	12,900
Totals	1917	222,461	$ 159,172
	1918	210,292	200,646
	1919	334,283	361,704
	1920	280,219	311,716

PEACHES.

District.	Year.	Packages.	Value.
Islands	1917	300	$ 300
	1918	281	281
	1919	300	450
	1920	......	....
Lower Mainland	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
Thompson	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
Okanagan and Boundary	1917	93,617	65,532
	1918	203,099	207,539
	1919	163,125	164,502
	1920	153,046	227,948
East and West Kootenay	1917	2,333	2,333
	1918	4,185	4,485
	1919	7,582	7,042
	1920	5,053	7,084
Totals	1917	96,250	$ 68,165
	1918	207,565	212,305
	1919	171,007	171,994
	1920	158,099	235,032

APRICOTS.

District.	Year.	Packages.	Value.
Islands	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
Lower Mainland	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
Thompson	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
Okanagan and Boundary	1917	35,700	$ 35,700
	1918	51,150	66,864
	1919	64,575	113,387
	1920	47,777	89,727
East and West Kootenay	1917	1,023	1,279
	1918	6	14
	1919	929	1,165
	1920	565	979
Totals	1917	36,723	$ 36,979
	1918	51,156	66,878
	1919	65,504	114,552
	1920	48,342	90,706

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1917–20—*Continued.*

CHERRIES.

District.	Year.	Packages.	Value.
Islands	1917	8,982	$ 15,718
	1918	9,880	17,290
	1919	11,276	24,020
	1920	10,043	23,103
Lower Mainland	1917	1,630	2,852
	1918	17,455	31,419
	1919	12,680	26,758
	1920	6,433	14,880
Thompson	1917	500	730
	1918	1,208	2,565
	1919	2,400	5,100
	1920	1,350	3,375
Okanagan and Boundary	1917	41,553	41,553
	1918	40,366	73,425
	1919	55,244	108,191
	1920	107,472	193,713
East and West Kootenay	1917	6,669	8,003
	1918	9,675	16,430
	1919	10,509	23,381
	1920	11,777	29,419
Totals	1917	59,334	$ 68,876
	1918	78,584	141,129
	1919	92,118	187,450
	1920	137,075	264,490

STRAWBERRIES.

District.	Year.	Packages.	Value.
Islands	1917	38,137	$ 76,274
	1918	37,977	88,712
	1919	64,957	191,697
	1920	46,932	173,144
Lower Mainland	1917	37,666	75,332
	1918	62,986	153,317
	1919	72,560	250,434
	1920	51,357	199,837
Thompson	1917	1,100	2,475
	1918	2,253	8,098
	1919	2,200	9,350
	1920	1,250	6,250
Okanagan and Boundary	1917	......	....
	1918	2,158	6,436
	1919	3,382	16,910
	1920	2,426	10,398
East and West Kootenay	1917	18,707	35,356
	1918	21,064	48,705
	1919	30,596	91,764
	1920	12,269	49,760
Totals	1917	95,610	$ 189,437
	1918	126,438	305,268
	1919	173,695	560,155
	1920	114,284	439,389

RASPBERRIES.

District.	Year.	Packages.	Value.
Islands	1917	1,714	$ 3,257
	1918	1,591	4,773
	1919	1,446	5,040
	1920	1,800	7,181
Lower Mainland	1917	65,079	148,174
	1918	131,649	325,322
	1919	216,805	613,506
	1920	83,368	286,576
Thompson	1917	2,500	6,250
	1918	3,900	12,915
	1919	4,300	15,910
	1920	2,500	12,375
Okanagan and Boundary	1917	......	....
	1918	2,102	6,010
	1919	4,619	18,014
	1920	3,237	13,886
East and West Kootenay	1917	7,569	17,257
	1918	10,652	30,571
	1919	10,712	35,067
	1920	10,355	39,437
Totals	1917	76,862	$ 160,938
	1918	169,894	379,591
	1919	237,882	687,537
	1920	101,260	359,435

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1917–20—*Continued.*

BLACKBERRIES.

District.	Year.	Packages.	Value.
Islands	1917	425	$ 744
	1918	474	829
	1919	537	1,680
	1920	932	2,958
Lower Mainland	1917	16,419	32,838
	1918	20,883	53,540
	1919	36,574	94,319
	1920	17,904	50,845
Thompson	1917	......	....
	1918	......	....
	1919	250	825
	1920	......	....
Okanagan and Boundary	1917	......	....
	1918	895	1,129
	1919	497	1,980
	1920	633	1,827
East and West Kootenay	1917	199	557
	1918	858	2,628
	1919	1,491	4,598
	1920	711	2,639
Totals	1917	17,043	$ 34,139
	1918	22,610	58,126
	1919	39,349	103,402
	1920	20,180	58,269

LOGANBERRIES.

District.	Year.	Packages.	Value.
Islands	1917	4,413	$ 7,723
	1918	3,804	6,446
	1919	5,739	15,874
	1920	7,733	26,587
Lower Mainland	1917	1,100	2,090
	1918	2,928	5,991
	1919	3,842	11,010
	1920	4,475	14,655
Thompson	1917	700	1,575
	1918	2,134	6,160
	1919	2,560	7,680
	1920	435	2,110
Okanagan and Boundary	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
East and West Kootenay	1917	......	....
	1918	......	....
	1919	125	391
	1920	......	....
Totals	1917	6,213	$ 11,388
	1918	8,866	18,597
	1919	12,266	34,955
	1920	12,643	43,352

RED CURRANTS.

District.	Year.	Packages.	Value.
Islands	1917	619	$ 1,083
	1918	619	1,238
	1919	832	1,672
	1920	962	2,651
Lower Mainland	1917	990	1,980
	1918	2,732	4,638
	1919	4,869	9,825
	1920	2,464	5,262
Thompson	1917	......	....
	1918	......	....
	1919	240	540
	1920	300	750
Okanagan and Boundary	1917	78	70
	1918	......	....
	1919	890	2,225
	1920	1,039	2,789
East and West Kootenay	1917	1,171	1,651
	1918	3,480	4,131
	1919	3,093	4,496
	1920	3,424	4,574
Totals	1917	2,858	$ 4,784
	1918	6,831	10,007
	1919	9,924	18,758
	1920	8,189	16,026

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1917–20—*Continued.*

BLACK CURRANTS.

District.	Year.	Packages.	Value.
Islands	1917	977	$ 1,954
	1918	977	2,931
	1919	981	3,385
	1920	1,337	5,368
Lower Mainland	1917	4,744	110,674
	1918	6,608	15,727
	1919	5,648	13,748
	1920	4,261	13,630
Thompson	1917	......	....
	1918	......	....
	1919	1,240	3,410
	1920	600	2,100
Okanagan and Boundary	1917	889	1,440
	1918	24	44
	1919	1,883	5,795
	1920	2,054	6,638
East and West Kootenay	1917	2,776	5,608
	1918	4,111	8,941
	1919	4,753	10,122
	1920	3,653	8,315
Totals	1917	9,386	$ 19,670
	1918	11,720	27,643
	1919	14,505	36,460
	1920	11,905	36,051
GOOSEBERRIES.			
Islands	1917	3,347	$ 6,359
	1918	3,492	5,725
	1919	1,691	3,130
	1920	2,666	6,322
Lower Mainland	1917	3,542	7,084
	1918	4,363	6,335
	1919	6,354	11,469
	1920	6,514	16,077
Thompson	1917	......	....
	1918	600	1,308
	1919	1,200	2,460
	1920	1,500	3,750
Okanagan and Boundary	1917	......	....
	1918	760	1,520
	1919	511	1,297
	1920	709	2,161
East and West Kootenay	1917	2,154	2,951
	1918	3,566	5,000
	1919	4,943	7,452
	1920	2,495	4,185
Totals	1917	9,043	$ 16,394
	1918	12,781	19,888
	1919	14,699	25,808
	1920	13,884	32,495
BUSH-FRUITS (RED AND BLACK CURRANTS AND GOOSEBERRIES).			
Islands	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
Lower Mainland	1917	......	....
	1918	315	$ 1,023
	1919	......	....
	1920	......	....
Thompson	1917	750	1,350
	1918	904	2,612
	1919	......	....
	1920	......	....
Okanagan and Boundary	1917	......	....
	1918	1,369	4,107
	1919	1,302	3,995
	1920	1,495	4,635
East and West Kootenay	1917	......	....
	1918	......	....
	1919	......	....
	1920	......	....
Totals	1917	750	$ 1,350
	1918	2,588	7,742
	1919	1,302	3,995
	1920	1,495	4,635

TABLE No. 8.—FRUIT PRODUCTION, BRITISH COLUMBIA (TONS AND VALUE), YEARS 1917–20.

Description.	Year.	Quantity.	Value.
		Tons.	
Apples	1917	32,312	$1,887,514
	1918	27,541	2,319,227
	1919	51,744	4,530,453
	1920	31,029	2,902,826
Crab-apples	1917	3,180	148,226
	1918	1,347	96,660
	1919	4,407	310,849
	1920	2,831	211,728
Pears	1917	923	70,266
	1918	1,790	165,053
	1919	1,656	189,902
	1920	2,010	214,488
Plums and prunes	1917	2,225	159,172
	1918	2,103	200,646
	1919	2,841	361,704
	1920	2,382	311,716
Peaches	1917	866	68,165
	1918	1,972	212,305
	1919	1,624	171,994
	1920	1,502	235,032
Apricots	1917	386	36,979
	1918	512	66,878
	1919	655	114,552
	1920	483	90,706
Cherries	1917	475	68,876
	1918	629	141,129
	1919	736	187,450
	1920	1,097	264,400
Strawberries	1917	860	189,437
	1918	1,075	305,268
	1919	1,389	560,155
	1920	914	439,389
Raspberries	1917	615	169,938
	1918	1,274	379,591
	1919	1,784	687,537
	1920	759	359,455
Blackberries	1917	136	34,139
	1918	181	58,126
	1919	314	103,402
	1920	161	58,269
Loganberries	1917	43	11,388
	1918	71	18,597
	1919	98	34,955
	1920	101	43,352
Bush-fruits	1917	198	42,204
	1918	288	65,280
	1919	343	85,021
	1920	302	89,207
Tree-fruits other than apples, not otherwise provided	1918	3,699	386,400
	1919	3,750	414,500
	1920	3,640	437,500
Totals	1917	42,219	$2,886,304
	1918	42,482	4,415,160
	1919	71,341	7,772,474
	1920	47,211	5,658,158

TABLE No. 9.—APIARIES AND HONEY-CROP, BRITISH COLUMBIA, YEARS 1919–20.

District.	Year.	Apiaries.	Hives.	Crop.	Average Honey per Hive.
Vancouver Island and Gulf Islands.				Lb.	Lb.
Comox	1919	40	186	9,300	50.0
	1920	54	216	2,160	10.0
Duncan	1919	70	280	8,000	28.5
	1920	77	308	3,000	9.7
Gulf Islands	1919	40	145	3,000	20.6
	1920	50	175	1,750	10.0
Howe Sound	1919	32	64	1,200	18.7
	1920	32	64	600	9.4
Nanaimo	1919	120	480	12,000	25.0
	1920	104	400	4,000	10.0
Victoria	1919	163	500	15,000	30.0
	1920	189	570	6,000	10.5
Totals	1919	465	1,655	48,500	29.3
	1920	506	1,733	17,510	10.1
Greater Vancouver.					
Burnaby	1919	83	413	8,000	19.3
	1920	84	505	5,050	10.0
Coquitlam	1919	16	75	1,120	14.9
	1920	19	119	1,000	8.4
Kerrisdale	1919	24	88	2,080	23.6
	1920	20	60	360	6.0
South Vancouver	1919	59	358	4,320	12.0
	1920	67	314	2,100	6.7
Marpole	1919	18	68	1,520	22.3
	1920	19	56	330	5.9
North Vancouver	1919	46	230	4,240	18.4
	1920	60	300	600	2.0
Point Grey	1919	13	58	1,120	19.3
	1920	16	55	250	4.5
New Westminster	1919	30	120	2,400	20.0
	1920	28	130	1,040	8.0
Vancouver	1919	93	404	7,120	17.6
	1920	81	267	2,140	8.0
Totals	1919	382	1,814	31,920	17.5
	1920	394	1,806	12,870	7.1
Lower Fraser.					
Delta	1919	71	439	21,180	48.2
	1920	68	408	6,120	15.0
Surrey	1919	94	502	19,060	37.9
	1920	95	668	22,945	34.3
Langley	1919	70	453	17,920	39.5
	1920	64	300	7,260	24.2
Matsqui	1919	120	596	39,420	66.1
	1920	82	645	21,325	33.0
Maple Ridge	1919	47	276	16,140	58.4
	1920	55	330	13,200	40.0
Richmond	1919	47	208	4,160	20.0
	1920	48	240	3,600	15.0
Totals	1919	449	2,474	117,880	47.6
	1920	412	2,591	74,450	28.7
Upper Fraser and Chilliwack.					
Chilliwack	1919	80	365	7,300	20.0
	1920	86	350	3,500	10.0
Kent	1919	18	93	1,395	15.0
	1920	20	90	900	10.0
Dewdney	1919	19	131	5,240	40.0
	1920	20	130	4,550	35.0
Mission	1919	59	223	7,136	32.0
	1920	55	260	5,200	20.0
Sumas	1919	45	289	11,849	41.0
	1920	59	410	8,200	20.0
Totals	1919	221	1,101	32,920	29.9
	1920	240	1,240	22,350	18.0
Okanagan.					
Okanagan	1919	223	1,338	66,900	50.0
	1920	180	1,080	51,300	47.5
Thompson River	1919	......	....	....	....
	1920	61	270	16,200	60.0
Totals	1919	223	1,338	66,900	50.0
	1920	241	1,350	67,500	50.0

TABLE No. 9.—APIARIES AND HONEY-CROP, BRITISH COLUMBIA, YEARS 1919–20—*Continued.*

District.	Year.	Apiaries.	Hives.	Crop.	Average Honey per Hive.
Kootenays.				Lb.	Lb.
Slocan Valley	1919	12	50	6,100	122.0
	1920	24	88	4,400	50.0
Kootenay Lake and West Arm	1919	24	72	3,845	53.4
	1920	34	84	1,920	22.8
Nelson	1919	20	88	6,600	75.0
	1920	46	123	4,895	39.8
Arrow Lakes	1919	21	168	10,820	64.4
	1920	30	250	7,585	30.3
Castlegar	1919	6	74	2,825	38.1
	1920	7	57	1,695	29.7
East Kootenay	1919	5	86	1,200	13.9
	1920	10	43	1,145	26.6
Boundary	1919	11	207	6,620	31.9
	1920	12	276	6,470	23.4
Creston	1919	26	169	8,450	50.0
	1920	25	89	2,310	25.9
Totals	1919	125	914	46,460	50.8
	1920	188	1,010	30,420	30.1
Bulkley Valley.					
Bulkley Valley	1919	......	......	......	....
	1920	5	7	570	81.4
Summary.					
Vancouver Island and Gulf Islands	1919	465	1,655	48,500	29.3
	1920	306	1,733	17,510	10.1
Greater Vancouver	1919	382	1,814	31,920	17.5
	1920	394	1,806	12,870	7.1
Lower Fraser	1919	449	2,474	117,880	47.6
	1920	412	2,591	74,450	28.7
Upper Fraser and Chilliwack	1919	221	1,101	32,920	29.9
	1920	240	1,240	22,350	18.0
Okanagan	1919	223	1,338	66,900	50.0
	1920	241	1,350	67,500	50.0
Kootenays	1919	125	914	46,460	50.8
	1920	188	1,010	30,420	30.1
Bulkley Valley	1919	......	......	......	....
	1920	5	7	570	81.4
Totals	1919	1,865	9,296	344,580	37.0
	1920	1,986	9,737	225,670	23.1

Total honey-crop, 1919, 172.29 tons; 1920, 112.83 tons.

EXPRESS SHIPMENTS.

TABLE No. 10.—EXPRESS SHIPMENTS, FRUITS AND VEGETABLES, BRITISH COLUMBIA, YEARS 1911–20.

Year.	Cascade and Thompson Sections, including Vancouver Island.		Shuswap and Okanagan and Okanagan Lake Points.		Kootenay Section.		Totals.		
	Packages.	Weight.	Packages.	Weight.	Packages.	Weight.	Total Packages.	Total Weight.	Increase in Weight or Decrease from Previous Year.
		Lb.		Lb.		Lb.		Lb.	Per Cent.
1911	65,424	1,750,910	22,974	620,290	16,307	413,577	104,705	2,784,777	....
1912	64,704	1,801,967	82,814	2,036,863	18,882	491,403	166,400	4,330,233	+55.50
1913	69,235	1,839,710	107,561	2,581,215	31,466	783,021	208,262	5,203,946	+20.10
1914	94,620	2,332,022	121,136	2,958,026	43,714	1,036,855	259,470	6,326,903	+29.20
1915	105,833	2,538,715	158,931	3,829,797	53,988	1,230,485	318,752	7,598,997	+20.10
1916	123,716	2,859,177	123,014	3,139,783	65,892	1,497,191	312,622	7,496,151	- 1.40
1917	169,137	4,003,193	209,196	5,391,850	50,986	1,131,741	429,319	10,526,784	+40.42
1918	179,077	5,194,824	281,098	7,062,838	72,084	1,815,158	532,259	14,072,820	+33.68
1919	214,261	5,288,778	340,325	9,043,589	103,223	2,622,187	657,809	16,954,554	+20.47
1920	158,879	4,270,019	391,498	10,746,087	72,988	1,957,590	623,365	16,973,696	+ 0.11

Weight increase since 1911, 509.5 per cent.

TABLE No. 11.—RELATING TO QUANTITY OF FRUITS AND VEGETABLES FORWARDED BY EXPRESS, YEARS 1916–20.

Cascade and Thompson Sections, including Vancouver Island.

Place.	1916.	1917.	1918.	1919.	1920.
	Lb.	Lb.	Lb.	Lb.	Lb.
Abbotsford	12,465	7,270	8,508	18,360	11,338
Agassiz	1,120	10,505	13,470	20,837	19,710
Birch Island	......	......	......	......	170
Boston Bar	......	......	......	......	722
Chemainus	4,496	2,509	2,509	7,897	7,029
Chilliwack	88,563	239,915	548,432	347,406	666,537
Chu Chua	......	......	......	......	1,883
Clayburn	3,495	1,865	830	702	3,166
Cobble Hill	13,204	21,004	30,262	8,405	68,930
Cowichan	940	1,195	2,055	3,471	2,116
Ducks	220	4,010	5,278	6,003	540
Dewdney	......	......	......	......	32,578
Duncan	22,837	19,653	31,273	37,322	41,682
Hammond	411,476	434,313	553,206	401,807	386,117
Haney	297,822	130,933	343,654	575,741	344,439
Harrison	17,533	12,846	6,345	4,835	9,171
Hatzic	608,474	1,047,822	1,247,602	1,019,272	825,122
Hope	......	......	3,060	1,615	......
Kamloops	10,014	16,274	81,221	98,415	80,083
Langham	......	......	25,125	......	......
Langley	......	......	3,004	15,405	19,407
Lytton	3,256	9,923	36,539	16,460	11,565
Matsqui	262	625	24,429	20,650	11,540
Mission	417,884	603,825	666,831	909,553	627,345
Nanaimo	6,097	7,448	10,813	......	2,729
New Westminster	107,722	119,181	107,884	57,023	48,902
Parksville	799	753	8,002	3,222	1,907
Rosedale	......	......	38,207	36,831	45,100
Ruskin	7,060	3,644	9,609	6,968	32,321
Savona	691	7,125	1,877	4,450	1,340
Spences Bridge	7,374	5,171	20,539	21,029	17,085
Vancouver	316,880	416,736	444,229	859,122	304,765
Victoria	331,409	637,224	637,924	430,281	299,674
Walhachin	15,457	74,982	78,310	......	......
Whonnock	50,038	51,952	88,899	152,868	......
Yale	6,061	9,934	16,525	10,634	15,398
Routes.					
Calgary and Vancouver	44,207	28,763	48,065	82,576	90,653
Nicola Branch	6,350	7,498	......	......	......
Vancouver and Agassiz	6,590	......	......	......	......
Vancouver and Penticton	19,304	......	......	......	......
Vancouver and Nelson	......	24,763	35,053	53,055	208,833
Vancouver and Ruby Creek	......	......	......	31,655	19,207
Vancouver and Sumas	5,974	5,265	......	......	......
Mission and Sumas	......	......	200	255	1,050
Victoria and Courtenay	4,571	4,169	7,160	8,601	4,946
Victoria and Alberni	3,709	2,095	60	908	1,285
Victoria and Wellington	4,603	11,983	12,835	15,144	3,610
Totals	2,859,177	4,003,193	5,194,824	5,288,778	4,270,019

TABLE No. 11.—RELATING TO QUANTITY OF FRUITS AND VEGETABLES FORWARDED BY EXPRESS, YEARS 1916–20—*Continued.*

Shuswap and Okanagan and Okanagan Lake Points.

Place.	1916.	1917.	1918.	1919.	1920.
	Lb.	Lb.	Lb.	Lb.	Lb.
Armstrong	590,695	863,819	934,517	1,440,267	1,913,014
Ashcroft	......	2,530	3,863	6,620	12,205
Avola	......	......	......	......	60
Blue River	......	90	......	522	......
Enderby	11,684	16,747	6,727	23,435	5,735
Golden	531	2,913	3,049	3,785	2,256
Kelowna	359,475	757,595	1,354,563	1,629,692	2,539,886
Naramata	......	256,971	340,161	324,204	546,760
Notch Hill	42,966	24,353	45,447	59,334	30,013
Okanagan Centre	60,545	62,668	154,232	165,724	184,799
Okanagan Landing	2,480	3,264	4,679	5,286	222,147
Peachland	96,993	179,253	265,127	213,744	290,389
Penticton	439,462	804,411	897,278	1,122,123	1,326,471
Revelstoke	21,017	17,545	35,745	37,382	25,385
Salmon Arm	170,038	197,640	345,985	506,710	354,945
Shuswap	373	1,098	2,997	......	......
Summerland	791,355	1,245,551	1,608,836	2,204,840	1,738,626
Vernon	182,983	230,074	526,524	607,217	951,541
West Summerland	109,568	494,502	283,142	379,401	398,581
Routes.					
Sicamous, Okanagan Landing, and Penticton	239,618	230,831	249,966	253,164	153,483
Okanagan Landing and Naramata	......	......	......	60,139	49,791
Totals	3,139,783	5,391,850	7,062,838	9,043,589	10,746,087

Kootenay Section.

Place.	1916.	1917.	1918.	1919.	1920.
Arrowhead	5,048	3,507	3,295	2,189	......
Athalmer	4,582	2,224	5,410	4,018	......
Brilliant	......	1,064	......	......	......
Castlegar Junction	6,235	2,145	8,722	14,924	1,363
Cranbrook	7,716	5,332	17,904	17,165	10,199
Creston	389,079	241,770	354,776	404,418	365,054
Duck Creek	......	......	......	......	42,600
Edgewood	1,045	1,701	2,061	3,211	811
Erickson	......	......	......	290,432	376,383
Grand Forks	39,683	89,300	99,136	152,804	150,748
Kaslo	22,666	14,585	59,232	74,160	64,800
Lake Windermere	......	......	......	......	1,449
Nakusp	19,927	7,460	24,231	20,006	27,987
Nelson	55,308	42,321	107,419	186,607	78,870
Procter	5,269	6,165	11,782	39,610	17,945
Renata	47,982	37,325	......	......	......
Robson	......	22,212	38,485	50,066	50,286
Rock Creek	......	......	1,204	835	......
Rosebery	2,355	1,277	1,386	......	205
Rossland	318	437	9,476	......	......
Sirdar	18,060	24,020	43,040	48,760	44,213
Slocan City	430	1,948	2,952	1,987	3,826
South Slocan	4,205	11,938	16,124	18,550	9,906
Wynndel	......	......	......	......	28,082
Yahk	8,124	1,334	......	......	......
Routes.					
Cranbrook and Kimberley	827	708	60	720	......
Golden and Cranbrook	......	......	1,702	2,365	8,695
Golden and Waldo	2,152	2,418	......	......	......
Nelson and Lardeau	60,039	50,853	62,913	88,419	66,284
Nelson and Fernie	......	......	......	......	250,112
Nelson and Medicine Hat	493,373	346,854	513,793	659,130	48,368
Nelson and Midway	604	......	......	......	......
Nelson and Penticton	665	......	......	......	......
Nelson and Rossland	168,570	135,760	182,016	189,030	19,740
Nelson and Slocan	22,018	12,219	10,030	17,151	14,608
Revelstoke and Robson	110,911	64,864	238,009	335,630	275,057
Totals	1,497,191	1,131,741	1,815,158	2,622,187	1,057,590
Grand totals	7,496,151	10,526,784	14,072,820	16,954,554	16,973,696
Total packages	312,622	426,039	532,259	657,809	623,365

LIVE STOCK.

TABLE No. 12.—NUMBERS OF FARM LIVE STOCK IN BRITISH COLUMBIA, YEARS 1918–20.

Description.	1918.	1919.	1920.
Horses—			
Stallions, 2 years old and over	838	828	825
Mares, 2 years old and over	18,687	18,734	18,841
Geldings, 2 years old and over	17,145	17,154	17,728
Colts and fillies under 2 years	7,118	7,001	6,676
Other horses not classified	343	......	......
Total horses	44,131	43,717	44,070
Mules	194	580	508
Cattle—			
Bulls for breeding	5,247	......	......
Milch cows	50,965	......	......
Calves under 1 year	48,132	......	......
Steers, 2 years old and over	17,195	......	......
All other cattle	124,591	......	......
Beef cattle—			
Bulls for breeding	......	1,677	1,693
Cows, 2 years old and over	......	80,034	79,320
Yearlings	......	29,734	30,320
Calves	......	24,854	25,704
All other beef cattle	......	16,771	17,535
Dairy cattle—			
Bulls for breeding	......	2,480	2,569
Milch cows, 2 years old and over	......	51,594	53,974
Yearlings	......	17,880	17,795
Calves	......	16,737	16,681
All other dairy cattle	......	4,477	3,797
Total cattle	246,130	246,238	249,586
Sheep	45,291	44,985	46,473
Swine	39,805	44,960	44,010
Goats	......	3,500	4,840
Poultry—			
Hens	439,592	443,491	465,944
Chickens	538,571	695,874	831,655
Turkeys	5,610	7,717	7,858
Geese	6,111	11,962	12,262
Ducks	11,922	21,977	22,363
Total poultry	1,001,806	1,181,021	1,340,082
Rabbits	......	83,030	82,146

IMPORTS.

TABLE No. 13.—AGRICULTURAL PRODUCTS IMPORTED FROM OTHER PROVINCES IN CANADA INTO BRITISH COLUMBIA, YEARS 1918–20.

Description.	1920.		1919.		1918.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Horses ....No.	225	$ 43,386	109	$ 18,774	....	....
Beef cattle .... "	15,836	1,821,885	14,770	1,616,774	14,782	$ 1,306,988
Sheep .... "	18,277	204,059	11,710	193,215	7,276	252,354
Swine .... "	48,166	1,914,677	45,376	1,590,203	32,287	927,460
Total live stock........	....	$ 3,984,007	....	$ 3,418,966	....	$ 2,486,802
Beef and veal ....lb.	1,214,809	$ 176,104	2,542,001	$ 482,140	2,757,121	$ 490,078
Pork and pork products .... "	2,960,121	976,897	6,009,211	1,759,210	8,046,235	3,271,498
Mutton .... "	223,180	46,958	110,359	27,572	169,423	35,988
Lard .... "	228,845	68,832	629,104	189,360	724,508	205,460
Meats (canned) .... "	261,126	88,851	181,454	52,622	128,036	19,499
Total meats........	4,887,581	$ 1,357,642	9,472,129	$ 2,460,904	11,815,323	$ 4,022,523
Poultry .... lb.	288,328	$ 117,834	894,020	$ 250,325	1,438,243	$ 166,249
Eggs ....doz.	512,340	277,667	1,041,202	583,973	1,268,514	897,962
Total poultry products........	....	$ 395,501	....	$ 834,298	....	$ 1,064,211
Butter ....lb.	3,929,327	$ 2,355,735	4,563,212	$ 2,441,318	5,980,183	$ 2,648,353
Cheese .... "	843,642	252,742	1,402,501	487,580	1,533,079	599,260
Milk (condensed sweetened) ....cases.	83,802	365,267				
Milk (evaporated) .... "	86,275	557,768	....	449,830	....	606,185
Milk (sterilized) .... "	54,546	298,880				
Milk (powdered) ....lb.	98,094	29,554	....	....	....	....
Total dairy products........	....	$ 3,859,946	....	$ 3,328,728	....	$ 3,853,798
Wheat ....bu.	501,204	$ 1,202,898				
Oats .... "	1,221,408	1,367,976	2,049,161	$ 3,073,741	2,668,387	$ 1,890,884
Barley .... "	291,604	440,332				
Rye .... "	1,669	4,087				
Mill stock-food .... tons.	18,045	927,717	12,405	553,263	18,511	755,742
Flour ....bbls.	366,210	4,555,652	365,745	3,877,022	390,880	3,520,963
Malt ....bu.	206,347	421,694	70,833	172,850	....	....
Total grains, etc........	....	$ 8,920,356	....	$ 7,676,876	....	$ 6,167,589
Hay .... tons	4,236	$ 164,594	21,906	$ 737,248	20,354	$ 742,282
Canned vegetables .... lb.	1,327,238	$ 172,741	831,050	$ 81,495	1,334,304	$ 254,513
Canned fruits .... "	301,900	47,493	399,026	43,675		
Honey .... "	2,211	701	25,669	8,024	23,016	3,031
Total miscellaneous........	....	$ 220,935	....	$ 133,194	....	$ 257,544
Grand totals........	....	$ 18,902,981	....	$ 18,590,214	....	$ 18,594,749

TABLE No. 14.—AGRICULTURAL PRODUCTS IMPORTED FROM FOREIGN POINTS INTO BRITISH COLUMBIA, YEARS 1918–20.

Description.	1920.		1919.		1918.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Horses ... No.	356	$ 39,500	463	$ 37,955	233	$ 24,625
Cattle ... "	889	56,075	22	885	37	2,159
Sheep ... "	991	8,401	1,658	13,944	70	525
Total live stock		$ 103,976		$ 52,784		$ 27,309
Beef and veal ... lb.	906,294	$ 169,025	36,209	$ 6,986	3,917	$ 474
Pork and pork products ... "	8,513,064	1,008,871	960,317	276,070	131,023	33,667
Mutton ... "	4,503,127	694,223	3,735,733	645,080	5,092,905	787,688
Lard ... "	809,740	176,151	156,662	40,565	41,360	10,570
Meats (canned) ... "	250,418	65,158	194,657	58,141	161,034	33,906
Other meats ... "		75,888		153,813		72,473
Total meats		$ 2,189,316		$ 1,180,655		$ 938,778
Poultry ... lb.		$ 13,276		$ 28,179		$ 15,959
Eggs ... doz.	1,073,567	588,567	939,988	400,208	452,008	162,658
Total poultry products		$ 601,843		$ 428,387		$ 178,617
Butter ... lb.	944,612	$ 548,570	978,546	$ 425,850	754,240	$ 266,591
Cheese ... "	71,656	34,829	49,937	20,740	44,860	16,833
Total dairy products		$ 583,399		$ 446,590		$ 283,424
Apples ... lb.	4,138,704	$ 136,656	1,005,400	$ 45,366	3,823,721	$ 125,657
Other tree-fruits ... "	3,144,903	223,396	4,361,634	225,564	2,932,937	141,690
Small fruits ... "	932,097	123,221	1,257,840	142,423	1,033,670	104,169
Canned fruits ... "	6,307,982	802,691	2,679,751	288,414	1,712,517	147,799
Total fruits	14,523,686	$ 1,285,964	9,304,625	$ 701,767	9,502,845	$ 519,315
Potatoes ... tons.	7,567	222,233	842	$ 34,761	6,160	$ 116,591
Potatoes (sweet) ... "	341	30,902				
Other vegetables ... "		498,739		282,142		258,636
Canned vegetables ... lb.	1,628,635	203,568	1,623,122	183,220	1,319,593	138,479
Total vegetables		$ 955,442		$ 500,123		$ 513,706
Hay ... tons.	23,887	$ 616,967	13,572	$ 326,977	5,845	$ 168,150
Wheat ... bu.	73,031	$ 166,238	179,426	$ 594,982	199,164	$ 819,005
Oats ... "	3,085	5,729				
Barley ... "	186	481				
Rye ... "	625	1,417				
Peas ... "	25,241	67,428				
Beans ... "	120,468	376,936				
Corn ... "	438,089	715,384				
Malt ... "	33,760	60,063	1,631	2,611	365	545
Total grains, etc.		$ 1,393,676		$ 597,593		$ 819,550
Honey ... lb.	427,860	$ 81,853	98,043	$ 19,197	151,752	$ 27,175
Hops ... "	84,643	40,857	88,138	24,396	42,042	3,037
Nursery stock ... No.		60,195		35,844		16,550
Total miscellaneous		$ 182,905		$ 79,487		$ 46,762
Grand Totals		$ 7,913,488		$ 4,314,313		$ 3,495,611

TABLE No. 15.—IMPORTED FRUIT, POTATOES, ETC., INSPECTED AND CONDEMNED, ALL PORTS OF ENTRY, BRITISH COLUMBIA, YEARS 1918–20.

Kind.		Year.	Inspected.	Condemned.
Apples	boxes	1918	100,213	10,512
„	„	1919	24,710	2,804
„	„	1920	87,411	2,736
„	½ boxes	1918	467	25
„	„	1919	450	46
„	„	1920	209	20
„	bbls.	1918	2	.....
„	„	1919	8	.....
„	„	1920	10	.....
Apricots	boxes	1918	29,296	5
„	„	1919	26,176	227
„	„	1920	15,401	.....
Cherries	„	1918	6,621	5
„	„	1919	8,140	166
„	„	1920	6,387	12
Crab-apples	„	1918	39	24
„	„	1919	70	1
„	„	1920	43	10
Nectarines	„	1918	.....	.....
„	„	1919	16	.....
„	„	1920	.....	.....
Peaches	„	1918	55,665	42
„	„	1919	60,107	1,490
„	„	1920	54,716	2,592
Pears	„	1918	18,007	7,173
„	„	1919	32,076	2,613
„	„	1920	24,802	897
„	½ boxes	1918	229	.....
„	„	1919	51	.....
„	„	1920	17	.....
„	¾ boxes	1918	.....	.....
„	„	1919	.....	.....
„	„	1920	3,368	.....
Plums	boxes	1918	11,099	.....
„	„	1919	10,965	92
„	„	1920	10,892	116
Prunes	„	1918	515	.....
„	„	1919	3,290	.....
„	„	1920	6,402	.....
Quince	„	1918	1	.....
„	„	1919	47	.....
„	„	1920	30	.....
Grapefruit	„	1918	10,052	.....
„	„	1919	10,987	41
„	„	1920	18,602	45
Lemons	„	1918	19,719	.....
„	„	1919	23,601	.....
„	„	1920	30,553	.....
Limes	„	1918	2	.....
„	„	1919	.....	.....
„	„	1920	1	.....
Oranges, California	„	1918	65,234	.....
„ „	„	1919	130,382	670
„ „	„	1920	133,393	1,324
„ Chinese	„	1918	169	.....
„ „	„	1919	304	.....
„ „	„	1920	275	.....
„ Japanese	„	1918	99,364	6
„ „	„	1919	138,141	.....
„ „	„	1920	235,432	.....
Persimmons	„	1918	.....	.....
„	„	1919	269	.....
„	„	1920	430	.....
Pineapples	„	1918	247	.....
„	„	1919	816	.....
„	„	1920	55	10
Pomegranates	„	1918	25	.....
„	„	1919	248	.....
„	„	1920	302	.....
Pomelos	„	1918	20	.....
„	„	1919	79	.....
„	„	1920	406	.....
Tangerines	„	1918	65	.....
„	„	1919	5	.....
„	„	1920	.....	.....
Egg-plants	„	1918	15	.....
„	„	1919	152	.....
„	„	1920	194	.....
Onions	crates	1918	.....	.....
„	„	1919	.....	.....
„	„	1920	2,400	257
Peppers	boxes	1918	241	.....
„	„	1919	1,072	.....
„	„	1920	2,296	.....

TABLE No. 15.—IMPORTED FRUIT, POTATOES, ETC., INSPECTED AND CONDEMNED, ALL PORTS OF ENTRY, BRITISH COLUMBIA, YEARS 1918–20—*Continued.*

Kind.		Year.	Inspected.	Condemned.
Potatoes, white	tons	1918	.....	.....
" "	"	1919	3,838	113
" "	"	1920	9,612	186
" "	crates	1918	.....	.....
" "	"	1919	2,132	.....
" "	"	1920	.....	.....
" sweet	tons	1918	.....	.....
" "	"	1919	.....	.....
" "	"	1920	350	1
" "	crates	1918	3,503	1
" "	"	1919	5,262	355
" "	"	1920	.....	.....
Tomatoes	boxes	1918	3,630	12
"	"	1919	5,955	30
"	"	1920	17,432	173
Yakamines	"	1918	.....	.....
"	"	1919	.....	.....
"	"	1920	156	.....
Yams	crates	1918	548	.....
"	"	1919	940	.....
"	"	1920	.....	.....
"	tons	1918	.....	.....
"	"	1919	.....	.....
"	"	1920	61	.....
Mango	crates	1918	.....	.....
"	"	1919	2	.....
"	"	1920	.....	.....
Taro	"	1918	969	.....
"	"	1919	1,800	.....
"	"	1920	.....	.....
"	tons	1918	.....	.....
"	"	1919	.....	.....
"	"	1920	113	.....

TABLE No. 16.—IMPORTED NURSERY STOCK INSPECTED AND CONDEMNED AT VANCOUVER, B.C., YEARS 1918–20.

Kind.		Year.	Inspected.	Condemned.
Apples	trees	1918	33,642	1,739
"	"	1919	25,968	246
"	"	1920	44,094	3,458
Apricots	"	1918	5,311	21
"	"	1919	10,489	249
"	"	1920	4,261	99
Cherries	"	1918	7,922	56
"	"	1919	6,478	169
"	"	1920	8,009	119
Crab-apples	"	1918	1,042	100
"	"	1919	465	22
"	"	1920	210	42
Nectarines	"	1918	73	1
"	"	1919	53	2
"	"	1920	33	.....
Peaches	"	1918	2,498	7
"	"	1919	4,703	1,026
"	"	1920	7,885	1,456
Pears	"	1918	6,347	238
"	"	1919	9,603	272
"	"	1920	13,649	1,059
Plums	"	1918	4,011	25
"	"	1919	3,652	42
"	"	1920	3,022	210
Prunes	"	1918	2,420	37
"	"	1919	4,669	13
"	"	1920	5,346	262
Mulberries	"	1918	123	19
"	"	1919	59	.....
"	"	1920	.....	.....
Figs	"	1918	31	.....
"	"	1919	5	.....
"	"	1920	8	.....
Quinces	"	1918	227	5
"	"	1919	153	3
"	"	1920	160	.....
Total standard		1918	63,647	2,248
		1919	66,299	2,044
		1920	86,677	6,705

TABLE No. 16.—IMPORTED NURSERY STOCK INSPECTED AND CONDEMNED AT VANCOUVER, B.C., YEARS 1918–20—*Continued.*

Kind.		Year.	Inspected.	Condemned.
Almonds	trees	1918	13	.....
„	„	1919	14	.....
„	„	1920	39	.....
Chestnuts	„	1918	75	1
„	„	1919	11	.....
„	„	1920	29	12
Filberts	„	1918	101	2
„	„	1919	48	2
„	„	1920	31	2
Walnuts	„	1918	451	.....
„	„	1919	277	.....
„	„	1920	609	2
Total nuts		1918	640	3
		1919	350	2
		1920	708	16
Seedlings, fruit	units	1918	223,566	131
„ „	„	1919	238,769	604
„ „	„	1920	298,549	1,591
„ ornamental	„	1918	.....	.....
„ „	„	1919	.....	.....
„ „	„	1920	4,483	100
Grafts	„	1918	41,116	.....
„	„	1919	66,270	1,947
„	„	1920	192	12
Scions	„	1918	.....	.....
„	„	1919	.....	.....
„	„	1920	4,300	.....
Total seedlings, grafts, and scions		1918	264,682	131
		1919	305,039	2,551
		1920	307,524	1,703
Blackberries	bushes	1918	19,796	231
„	„	1919	16,452	223
„	„	1920	8,931	239
Currants	„	1918	1,247	36
„	„	1919	2,944	61
„	„	1920	13,676	149
Gooseberries	„	1918	4,416	421
„	„	1919	6,776	18
„	„	1920	4,080	188
Grapes	vines	1918	3,581	614
„	„	1919	1,409	86
„	„	1920	6,020	1,181
Raspberries and Loganberries	canes	1918	3,293	33
„ „	„	1919	13,956	83
„ „	„	1920	172,010	643
Strawberries	plants	1918	56,674	.....
„	„	1919	175,346	.....
„	„	1920	855,750	8,775
Total vines and bushes		1918	89,007	1,335
		1919	216,883	471
		1920	1,060,467	11,175
Bulbs and roots	units	1918	507,936	.....
„ „	„	1919	375,807	2,509
„ „	„	1920	1,150,266	26,488
Ornamentals, trees and shrubs	„	1918	257,837	204
„ „ „	„	1919	20,826	168
„ „ „	„	1920	30,264	338
Plants	„	1918	64,404	1
„	„	1919	26,289	.....
„	„	1920	26,503	162
Rose-bushes	„	1918	44,332	1,223*
„	„	1919	34,969	197
„	„	1920	21,593	58
Total ornamentals		1918	874,509	1,428
		1919	457,891	2,874
		1920	1,228,626	27,046

* 1,110 dead.

METEOROLOGICAL.

TABLE No. 17.—SHOWING PRECIPITATION, YEARS 1919–20 (IN INCHES).

Station.	Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
East Kootenay.														
Cranbrook	1919	3.20	4.55	0.50	0.92	0.79	0.75	....	1.17	0.18	0.45	0.60	1.27	14.47
	1920	1.43	0.61	1.08	1.36	1.48	0.65	2.32	0.68	0.75	1.08	1.27	1.58	14.89
Creston	1919	3.39	2.67	0.89	1.50	0.89	0.51	0.34	1.35	0.36	0.98	1.46	1.97	16.37
	1920	2.02	0.50	1.41	2.27	2.08	1.51	0.93	0.44	2.30	1.26	2.35	2.72	19.79
Golden	1919	2.80	1.40	....	0.23	0.60	0.21	0.75	1.05	0.69	0.10	1.90	2.60	12.33
	1920	4.65	0.65	0.20	1.00	1.98	0.78	1.01	0.59	1.55	1.41	1.88	1.65	17.35
Wilmer	1919	1.52	0.95	0.32	0.25	0.72	0.68	0.53	2.56	0.48	0.85	1.16	1.05	11.07
	1920	2.58	0.28	0.89	2.07	1.17	0.99	0.99	0.21	1.22	0.46	0.35	0.67	11.88
West Kootenay.														
Glacier	1919	9.83	3.10	4.65	1.89	3.61	1.42	2.73	2.44	2.30	5.61	8.69	6.51	34.78
	1920	13.35	3.10	8.40	4.70	5.38	2.52	1.33	2.45	5.07	5.83	7.53	6.55	66.21
Nakusp	1919	3.21	2.78	3.40	1.78	2.05	0.81	0.76	1.23	2.46	1.54	3.74	3.58	27.34
	1920	4.42	0.97	2.46	2.12	2.69	1.89	1.82	1.23	4.57	2.51	0.20	2.83	27.80
Nelson	1919	4.35	2.75	2.04	1.63	1.86	1.17	0.51	2.12	1.41	1.47	2.71	2.91	24.93
	1920	2.57	0.41	1.80	2.39	....	....	....	....	....	....	....	....	....
Revelstoke	1919	3.37	3.95	3.05	1.82	2.20	1.32	0.48	2.52	2.05	2.51	5.92	4.50	33.69
	1920	7.03	0.55	4.24	2.79	....	....	....	....	....	....	....	....	....
Rossland	1919	5.01	3.68	2.76	2.56	2.83	0.28	0.31	0.86	2.07	1.10	2.66	2.60	26.92
	1920	2.63	0.25	3.53	2.83	3.14	2.12	1.50	1.47	5.11	....	....	....	....
Boundary.														
Grand Forks	1919	1.45	2.50	1.11	0.87	1.36	0.18	0.43	0.71	1.03	1.03	1.32	0.53	12.52
	1920	0.98	0.30	0.37	1.39	0.40	1.05	1.33	0.87	1.81	1.64	1.50	1.54	13.18
Hedley	1919	2.60	3.56	0.68	0.27	0.71	1.09	0.42	0.59	1.09	0.83	1.90	0.05	13.79
	1920	1.00	0.91	0.49	1.30	0.14	0.79	1.01	0.30	1.08	0.85	0.13	....	....
Okanagan Valley.														
Armstrong	1919	1.35	1.57	0.85	0.83	0.90	0.73	0.37	0.76	1.21	2.04	2.18	1.35	14.14
	1920	1.51	0.32	1.37	1.50	1.41	2.66	0.35	1.01	2.90	3.14	3.04	1.70	19.97
Enderby	1919	1.46	2.51	1.07	0.65	1.21	0.69	1.21	0.71	1.69	1.58	1.87	1.63	16.28
	1920	2.58	0.44	2.09	1.94	0.72	2.30	0.64	0.73	2.12	2.47	1.40	1.78	19.27
Kelowna	1919	0.65	1.76	1.70	0.62	0.51	0.42	0.21	0.57	0.58	0.81	2.58	0.21	10.57
	1920	1.45	0.05	0.71	1.32	0.20	0.76	0.71	0.56	1.63	1.72	0.97	1.00	11.08
Penticton	1919	1.14	1.02	0.67	0.68	0.80	0.49	0.18	0.41	0.93	0.73	1.93	0.19	9.17
	1920	1.34	0.11	0.38	1.52	0.23	0.80	0.75	0.42	1.88	1.67	0.64	0.50	10.19
Summerland	1919	1.02	1.36	0.91	0.25	0.42	0.68	0.27	0.33	0.84	0.80	2.18	0.08	9.14
	1920	1.45	0.24	0.52	2.11	0.04	1.33	1.01	0.25	1.91	1.73	0.71	0.68	11.08
Vernon (Coldstream)	1919	0.74	1.59	1.21	0.78	0.86	0.02	0.66	0.55	1.15	2.68	2.08	1.02	14.18
	1920	1.94	0.48	0.93	1.55	0.45	1.29	0.38	1.33	1.70	1.40	0.88	1.14	13.47

Thompson Watershed.														
Kamloops	1919	0.33	0.98	1.10	0.46	0.66	0.67	1.27	0.21	0.59	1.23	1.92	0.54	9.96
	1920	0.83	0.15	0.18	0.63	0.11	0.63	0.35	1.18	0.58	1.07	0.78	0.82	7.31
Nicola Lake	1919	....	....	....	....	....	....	....	....	....	....	....	....	....
	1920	....	....	....	....	....	....	....	....	....	....	....	....	....
Salmon Arm	1919	2.05	2.30	1.70	0.85	1.06	0.64	0.70	0.47	1.55	1.51	3.11	2.81	18.75
	1920	2.43	0.45	1.75	1.63	1.12	2.78	0.38	1.32	2.63	2.81	2.40	2.87	22.57
Tranquille	1919	0.28	0.70	0.30	0.18	0.46	0.40	1.26	0.04	0.50	0.76	1.65	0.10	6.63
	1920	0.33	....	....	....	....	0.32	0.54	1.23	0.50	0.81	0.60	0.89	....
Lower Mainland.														
Agassiz	1919	11.01	6.98	5.07	6.26	4.71	2.69	0.66	0.45	6.70	6.17	15.71	9.63	76.03
	1920	13.08	2.04	6.44	9.95	4.56	8.39	1.21	1.67	12.42	11.35	4.80	8.46	86.37
Chilliwack	1919	8.63	5.75	6.37	5.45	5.29	1.17	0.40	0.57	2.43	3.64	11.60	10.59	61.89
	1920	12.99	2.12	7.15	3.21	3.30	4.60	0.64	1.50	10.52	9.88	5.72	8.70	70.33
Coquitlam	1919	8.25	6.81	8.60	6.28	4.99	0.60	0.86	0.39	2.13	2.85	13.77	11.47	67.00
	1920	10.88	1.44	8.16	2.74	2.01	3.59	1.21	3.23	13.37	10.54	6.89	13.51	77.57
Ladner	1919	4.50	5.40	4.45	5.50	2.56	0.55	0.50	0.25	1.15	2.75	8.50	5.80	41.91
	1920	5.95	1.40	2.50	2.60	1.85	3.45	1.50	2.75	7.90	6.20	6.15	8.81	51.06
North Nicomen	1919	10.64	7.80	7.78	7.19	6.68	1.54	0.55	0.34	3.23	3.58	13.92	10.16	73.50
	1920	14.00	2.10	9.22	3.85	3.71	5.55	0.73	2.17	11.53	12.88	7.61	11.09	84.44
Vancouver	1919	7.57	7.35	6.01	4.47	3.60	1.02	0.15	1.15	1.16	3.14	11.25	9.74	57.21
	1920	8.92	1.21	5.30	2.51	1.94	3.06	0.67	2.91	10.37	8.34	7.14	11.01	63.28
Islands.														
Alberni (Beaver Creek)	1919	16.39	7.72	6.96	7.06	4.49	2.64	0.18	0.10	1.67	1.42	9.43	12.06	70.72
	1920	3.68	1.35	6.44	2.06	3.29	3.18	0.78	3.07	8.72	10.96	14.01	17.37	76.91
Clayoquot	1919	20.92	10.52	12.59	9.75	8.61	2.78	0.72	0.92	2.44	6.31	14.97	16.07	106.60
	1920	12.80	3.20	10.03	2.62	6.59	5.45	1.61	3.11	15.88	14.23	23.57	30.24	129.33
Cowichan	1919	8.29	6.45	3.27	3.30	2.20	0.92	0.09	0.49	1.52	1.74	7.01	6.85	42.13
	1920	3.72	0.48	3.65	1.37	1.53	1.67	0.88	3.32	4.73	5.20	5.87	7.96	40.38
Goldstream	1919	12.08	7.11	7.45	5.47	2.00	0.86	0.03	0.18	1.29	1.80	10.98	9.47	58.72
	1920	7.74	0.90	6.63	2.31	3.14	2.12	1.22	2.73	9.26	9.09	7.42	11.10	63.66
Ladysmith	1919	9.58	6.30	4.41	4.23	2.23	1.05	0.37	1.04	1.72	1.95	10.94	7.88	51.70
	1920	3.42	0.60	4.01	1.84	2.59	2.09	0.94	8.24	7.15	6.14	9.11	11.31	52.43
Nanaimo	1919	5.52	4.92	2.62	2.92	1.16	0.80	0.31	0.19	1.11	1.37	6.07	7.36	34.35
	1920	8.30	0.63	2.57	1.02	1.60	1.44	0.76	2.87	4.94	4.51	6.44	7.38	37.41
Saltspring Island	1919	7.18	6.39	3.08	3.59	1.94	1.01	....	0.55	1.29	1.28	7.15	6.14	39.60
	1920	3.49	0.56	3.90	1.64	1.53	1.64	0.84	3.48	6.08	4.37	6.19	7.88	41.60
Sandwick	1919	11.99	8.78	4.60	4.09	1.70	1.20	0.29	0.45	2.21	1.71	7.99	7.49	52.50
	1920	3.61	0.84	8.70	1.15	1.62	2.05	1.27	3.28	6.77	7.51	11.28	15.98	59.06
Sooke	1919	12.70	8.23	8.48	5.71	2.44	0.40	0.11	0.12	1.68	2.41	11.11	10.40	63.79
	1920	8.68	1.05	7.25	2.37	3.37	1.80	1.24	3.06	10.16	9.17	8.27	14.39	70.81
Victoria	1919	5.81	2.75	2.22	2.90	0.79	0.53	0.02	0.34	1.35	1.30	5.53	4.79	28.33
	1920	5.55	0.62	2.28	1.45	1.37	1.04	1.00	1.61	3.62	4.03	3.11	4.62	30.30

TABLE No. 17.—SHOWING PRECIPITATION, YEARS 1919–20 (IN INCHES)—*Continued.*

Station.	Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Northern.														
Alkali Lake	1919	M.	M.	M.	0.03	0.35	2.77	1.57	0.99	0.99	0.80	1.32	0.70	....
	1920	M.	M.	0.08	0.05	0.36	1.79	M.	M.	M.	....	0.64	0.51	....
Bella Coola	1919	8.10	2.79	4.20	2.33	3.53	2.69	0.41	1.07	3.86	4.86	14.29	7.12	65.25
	1920	15.81	1.92	4.77	1.69	2.60	3.88	2.49	3.47	4.76	7.72	7.46	7.95	64.52
Stuart Lake	1919	0.64	0.69	1.38	0.87	0.87	1.98	1.44	1.11	0.86	2.33	3.38	1.69	17.24
	1920	2.63	0.28	1.07	0.82	1.34	2.50	2.79	0.93	3.30	2.43	1.13	1.80	21.02
New Hazelton	1919	0.63	0.10	0.50	0.35	1.09	2.09	1.32	1.62	1.24	3.26	3.73	0.83	16.76
	1920	5.57	0.14	0.92	0.15	0.63	1.20	1.92	1.45	2.52	1.12	0.75	2.38	18.75
Prince George	1919	0.75	0.60	2.70	0.38	1.27	2.95	1.18	1.71	1.04	3.84	6.00	2.16	24.58
	1920	3.99	0.10	0.70	0.71	0.77	1.87	2.11	2.97	2.22	3.68	0.60	1.85	21.57
Prince Rupert	1919	13.54	7.05	8.25	6.93	7.47	5.08	1.97	3.07	4.66	10.56	10.56	7.44	86.58
	1920	12.30	4.20	6.20	4.00	2.90	5.70	0.80	8.60	5.80	8.10	9.70	12.00	80.30
Terrace	1919	6.51	0.77	1.58	1.10	2.84	3.29	1.65	0.79	1.88	3.96	8.51	10.03	42.91
	1920	5.33	1.93	2.26	0.74	1.54	1.38	1.20	1.34	3.49	3.14	4.92	5.61	32.88
Vanderhoof	1919	0.64	0.60	1.75	0.35	0.50	2.01	1.16	0.41	0.18	1.53	3.10	0.95	10.98
	1920	2.50	0.13	0.90	0.47	0.72	1.30	1.48	1.00	2.37	3.17	1.40	1.14	15.44

TABLE No. 18.—SHOWING PRECIPITATION, YEARS 1919–20.

Station.	1919.		1920.	
	Rainfall.	Snowfall.	Rainfall.	Snowfall.
	Inches.	Inches.	Inches.	Inches.
East Kootenay.				
Cranbrook	7.62	68.50	11.04	38.50
Creston	10.24	61.25	15.78	40.00
Golden	4.58	77.50	9.60	77.50
Wilmer	7.69	33.75	7.81	40.50
West Kootenay.				
Glacier	16.98	378.00	20.61	456.00
Nakusp	15.41	119.25	19.67	81.25
Nelson	15.73	92.00	....	....
Revelstoke	16.29	174.00	....	....
Rossland	15.06	118.55	....	....
Boundary.				
Grand Forks	7.51	50.10	11.42	17.60
Hedley	9.62	41.70	....	....
Okanagan Valley.				
Armstrong	8.79	53.50	17.87	21.00
Enderby	9.35	69.25	14.73	45.25
Kelowna	5.09	54.80	9.11	19.60
Penticton	7.40	17.70	9.65	54.00
Summerland	4.19	49.45	9.48	25.00
Vernon	8.65	55.30	10.50	29.70
Thompson Watershed.				
Kamloops	5.88	40.75	5.61	17.00
Salmon Arm	9.75	90.00	17.34	52.25
Tranquille	4.29	23.35	....	....
Lower Mainland.				
Agassiz	70.03	60.00	84.27	21.00
Chilliwack	55.64	62.50	68.53	18.00
Coquitlam	64.90	21.00	77.17	4.00
Ladner	41.16	7.50	50.76	3.00
North Nicomen	68.36	51.40	83.14	13.00
Vancouver	54.01	32.00	62.69	5.85
Islands.				
Alberni (Beaver Creek)	68.04	26.75	74.76	21.50
Clayoquot	106.60	....	129.20	1.25
Cowichan	41.83	3.00	39.58	8.00
Goldstream	53.27	54.50	61.11	25.50
Ladysmith	50.37	13.25	51.56	8.75
Nanaimo	34.01	3.40	36.56	8.50
Saltspring Island	38.82	7.75	40.70	9.00
Sandwick	50.20	23.00	57.71	13.50
Sooke	62.24	15.50	69.71	11.00
Victoria	28.29	0.40	30.19	1.10
Northern.				
Alkali Lake	....	....	....	....
Bella Coola	50.52	47.25	59.19	53.25
Stuart Lake	10.14	71.00	13.71	73.10
New Hazelton	12.77	39.85	11.00	77.50
Prince George	11.08	135.00	14.29	72.75
Prince Rupert	82.14	44.40	....	....
Terrace	34.03	88.75	26.90	58.75
Vanderhoof	3.33	76.50	10.94	45.00

TABLE No. 19.—SHOWING HIGHEST AND LOWEST TEMPERATURES, YEARS 1919–20.

Station.	1919.		1920.	
	Highest.	Lowest.	Highest.	Lowest.
	Deg.	Deg.	Deg.	Deg.
Agassiz	92.0	8.0	94.0	18.0
Alberni (Beaver Creek)	96.0	0.0	101.0	15.0
Armstrong	100.5	—26.0	98.0	—11.0
Bella Coola	86.0	1.0	86.0	0.0
Chilliwack	88.0	2.0	91.0	16.0
Clayoquot	71.0	15.0	77.0	26.0
Cowichan	84.6	6.5	89.0	12.0
Cranbrook	98.0	34.0	96.0	—20.0
Creston	96.0	—14.0	95.0	1.0
Enderby	100.0	—24.0	97.0	—15.0
Glacier	84.0	—22.0	86.0	—13.0
Golden	95.0	—32.0	97.0	—36.0
Grand Forks	102.0	—20.0	99.0	— 7.0
Hedley	102.0	—15.0	100.0	2.0
Kamloops	102.3	—21.0	97.0	— 0.2
Kelowna	90.0	—10.0	90.0	0.0
Ladner	79.0	6.0	87.0	20.0
Ladysmith	85.0	9.0	93.0	18.0
Nakusp	91.0	—8.0	91.5	1.5
Nanaimo	83.2	10.5	91.2	19.0
Nelson	98.0	—11.2	....	— 3.2
New Hazelton	85.0	—34.0	94.0	—38.0
North Nicomen	90.0	4.0	91.0	14.0
Penticton	104.0	— 3.0	97.0	6.0
Prince George	88.0	—36.0	93.0	—43.0
Prince Rupert	77.0	6.0	73.0	7.0
Revelstoke	96.0	—22.0	....	—17.0
Rossland	89.5	—11.0	86.0	7.0
Salmon Arm	101.0	—17.0	101.0	—11.0
Saltspring Island	85.0	14.0	90.0	22.0
Sooke	....	....	....	....
Stuart Lake (Fort St. James)	88.5	—40.0	92.5	—36.0
Summerland	98.0	—12.0	96.0	— 1.0
Terrace	85.0	— 9.0	92.0	— 6.0
Tranquille	93.0	—18.0	93.0	— 5.0
Vancouver	81.3	11.2	88.8	17.3
Vanderhoof	84.0	—41.0	93.0	—57.0
Vernon	102.0	—21.0	99.0	— 6.0
Victoria	84.5	15.5	91.3	24.8
Wilmer	95.0	—28.0	90.0	—21.0

FARM TRACTORS.

TABLE No. 20.—NUMBERS OF FARM TRACTORS IN BRITISH COLUMBIA, YEARS 1919–20.

District.	1919.	1920.
	No.	No.
Islands	44	48
Lower Mainland	78	94
Thompson	31	37
Okanagan and Boundary	54	61
East and West Kootenay	49	55
Northern	76	87
Totals	332	382

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DEPARTMENT OF AGRICULTURE,
VICTORIA, B.C., May 1st, 1922.

To His Honour WALTER CAMERON NICHOL,
Lieutenant-Governor of the Province of British Columbia.

MAY IT PLEASE YOUR HONOUR:

I have the honour to submit herewith Bulletin No. 89, entitled "Agricultural Statistics, 1921," which has been compiled by G. H. Stewart, Statistician, Department of Agriculture, under the direction of Dr. D. Warnock, O.B.E., Deputy Minister.

I have the honour to be,
Sir,
Your obedient servant,

E. D. BARROW,
Minister of Agriculture.

DEPARTMENT OF AGRICULTURE,
VICTORIA, B.C., May 1st, 1922.

Hon. E. D. Barrow,
Minister of Agriculture, Victoria, B.C.

SIR,—I have the honour to submit herewith for your approval Bulletin No. 89, entitled "Agricultural Statistics, 1921," which has been compiled by G. H. Stewart, Statistician, Department of Agriculture.

I have the honour to be,
Sir,
Your obedient servant,

D. WARNOCK, O.B.E.,
Deputy Minister of Agriculture.

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ACKNOWLEDGMENTS.

Grateful acknowledgments are tendered to the following for valuable co-operation in supplying data contained in this bulletin: Various produce merchants for data relating to imports from other Provinces in Canada; Dominion Express Company and Canadian National Express Company for data showing express movements of fruits and vegetables; F. Napier Denison, Superintendent, Meteorological Observatory, British Columbia, for meteorological data; and Department of Customs, Ottawa, for statements relating to imports from foreign points.

INTRODUCTION.

THIS bulletin contains statistics of the agricultural industries of the Province of British Columbia. These statistics relate to areas of land under crop and under cultivation; production of the various crops; animals, animal products, and climate as affecting agriculture. Included also are statements relating to express movements of fruits and vegetables and imports of all agricultural food products.

The data shown for 1918, 1919, 1920, and 1921 relating to the area of field crops and numbers of live stock were determined by means of a postal census in June, taken through the joint efforts of the Dominion and Provincial Governments.

AGRICULTURAL STATISTICS, 1921.

SYNOPSIS OF AGRICULTURAL CONDITIONS IN BRITISH COLUMBIA, YEAR 1921.

The estimated value of agricultural production for the year 1921 is $59,694,254, as compared with $68,926,090 for the year 1920, being a decrease of $9,231,836, or 13.39 per cent. In nearly all lines of agriculture marked increases are to be noted in the quantities produced; owing to the prevailing low prices, however, it was only to be expected that the actual value of production would show a considerable decrease.

Imports of agricultural products from other Provinces in Canada are valued at $15,329,479, as against $18,902,981 in 1920, while imports from foreign points decreased from $7,913,488 to $5,640,943. The total decrease in the value of all imports would therefore be $5,846,047, or 21.80 per cent.

The total value of exports for the year is estimated at $5,650,000. The exports consisted chiefly of live stock, fruits, and vegetables.

FRUITS.

The fruit-crop was the largest on record.

The total production of all fruits amounted to 173,475,337 lb., as compared with 94,423,814 lb. in 1920, representing an increased yield of 79,051,523 lb., or 83.73 per cent. The value of the crop, however, was only $6,504,850, or 15 per cent. greater than in 1920.

The total apple-crop was 140,682,838 lb., as compared with 67,721,245 lb. in 1920, being an increase of 107.7 per cent. in the quantity production. All tree-fruits, with the exception of cherries and peaches, showed an increased production.

As an example of the great decline in all fruit prices, it will be noted that the average price received by the producer for a box of apples in 1921 was $1.26, while in 1920 the average price was $1.91; the difference in price being 65 cents, or 34 per cent.

Small fruits produced amounted to 10,097,223 lb., valued at $1,185,442, as compared with a production of 4,474,853 lb., valued at $989,672, in 1920, indicating an increase of 125.6 per cent. in quantity and 19.8 per cent. in value. The prices of all small fruits were considerably lower than during the year 1920.

VEGETABLES.

The total vegetable-crop amounted to 197,592 tons, or 15,837 tons less than in 1920. The loss in tonnage was due to a slight decrease in the area planted to this crop.

The area planted to potatoes was 1,076 acres less than in 1920. The average yield in 1921 was 5.28 tons per acre, as compared with 4.95 tons in 1920. Potatoes averaged $12.66 a ton less than in 1920; roots, $5.60; and market vegetables, $5.62.

There was an increase of 1,197 tons in the quantity of tomatoes produced.

GRAINS.

The total area sown to grains was 130,281 acres, an increase of 6,605 acres over the previous year.

The production of all grains amounted to 4,688,805 bushels, valued at $3,785,332, representing an increase in quantity production of 1,322,130 bushels, or 39 per cent., but a decrease in value of $1,301,627, or 25 per cent.

The price of wheat fell from $2.20 a bushel in 1920 to $1.22 a bushel in 1921; oats from 96 cents a bushel to 57 cents. Similar reductions are noted in the prices on all grains.

FODDERS.

The area planted to fodders was 6,354 acres more than the previous year.

Fodder-crops aggregating a total of 643,488 tons, valued at $13,330,420, were produced. This represents an increase of 77,951 tons, but with the prevailing low prices the total value was $4,080,432 less than in 1920. Clover and timothy averaged $23.68 per ton, as against $35 in 1920.

LIVE STOCK.

Live-stock statistics place the value of all domestic animals at $14,152,749, representing an increased value of $137,876. Beef cattle increased in numbers 5,082; dairy cattle, 6,702; sheep, 4,984; and goats, 1,160; while the numbers of swine decreased 2,488.

Poultry shows an increase during the year of 880,337 lb. The average price for the year dropped from 35 to 32 cents per pound.

Egg production increased by 290,677 dozen. The average price per dozen was placed at 41 cents, as compared with 60 cents in 1920.

MEATS.

The production of all meats amounted to 23,235,794 lb., valued at $2,812,298, as against 23,302,000 lb., valued at $4,217,212, in 1920. The dressed cost of beef decreased in value from 17.6 cents in 1920 to 11.28 cents in 1921; pork and pork products from 20.9 cents to 18.54 cents; and mutton from 21.5 cents to 16.05 cents.

DAIRY PRODUCTS.

The value of all dairy products was $6,596,208, as against $7,184,060 in 1920. There was an increase of 846,558 lb. in butter produced, the total production being 3,521,002 lb. The average price of creamery butter in 1921 was 45.3 cents per pound, while the price in 1920 was 64.7 cents.

The total quantity of cheese manufactured was 421,314 lb., an increase of 67,261 lb. during the year. Due to the low prices prevailing there was a falling-off in the total value of $22,793.

The quantity of fresh milk consumed was 9,059,450 gallons, being 151,140 gallons more than the previous year. The average price per gallon in 1921 was 42 cents, whilst the average for 1920 was 46 cents.

Ice-cream manufactured was 13,233 gallons less than in 1920.

MISCELLANEOUS.

The honey production for the year was 309,074 lb., valued at $89,631, as compared with 225,670 lb., valued at $67,701, in 1920.

The quantity of goats' milk produced was 32,883 gallons greater than in 1920.

G. H. STEWART,
Statistician.

May 1st, 1922.

PRODUCTION.

TABLE No. 1.—AGRICULTURAL PRODUCTION, BRITISH COLUMBIA, YEARS 1920–21.

Description.	1920.		1921.	
	Quantity.	Value.	Quantity.	Value.
Horses ....No	....	$ 2,228,900	....	$ 2,317,016
Beef cattle .... „	....	9,963,520	....	5,754,744
Dairy cattle .... „			....	4,568,310
Sheep .... „	....	302,203	....	432,239
Swine .... „	....	1,100,250	....	830.440
Goats .... „	....	200,000	....	250,000
Total live stock	....	$14,014,873	....	$14,152,749
Beef and veal .... lb.	19,900,000	$ 3,502,400	20,375,800	$ 2,298,390
Pork and pork products .... „	2,844,000	594,390	2,204,010	408.623
Mutton .... „	538,000	120,416	635,984	105.285
Total meats	23,302,000	$ 4,217,212	23,235,794	$ 2,812,298
Poultry .... lb.	4,690,287	$ 1,641,600	5,570,624	$ 1,782,599
Eggs ....doz.	4,193,490	2,516,094	4,484,167	1,838,508
Total poultry products ...	....	$ 4,157,694	....	$ 3,621,107
Butter .... lb.	2,674,444	$ 1,676,640	3,521,002	$ 1,537,317
Cheese .... „	354,053	103,335	421,314	80,542
Milk (as fresh) ....gals.	8,908,310	4,097,822	9,059,450	3,804,969
Milk (evaporated) ....cases	10,323	64,519	7,200	36,000
Milk (sterilized) .... „	164,060	781,121	139,769	712.249
Ice-cream ....gals.	284.413	460.623	271,180	425,131
Total dairy products	....	$ 7,184,060	....	$ 6,596,208
Apples .... lb.	67,721,245	$ 3,114,554	140,682,838	$ 4,218,169
Other tree-fruits .... „	22,227,716	1,553,932	22,695,276	1,101.239
Small fruits .... „	4,474.853	989,672	10,097,223	1,185.442
Total fruits	94,423,814	$ 5,658,158	173,475,337	$ 6,504,489
Potatoes ....tons	88,011	$ 3,754,349	88,197	$ 2,645.910
Other vegetables .... „	125,418	5,144,370	109,395	3,904.426
Total vegetables	213.429	$ 8,898,919	197,592	$ 6,550,336
Hay (clover and timothy) .....tons	254,034	$ 8,891,190	315,792	$ 7,477,954
Other fodders .... „	311.503	8,519,662	327,696	5,852.466
Total fodders	565,537	$17.410,852	643.488	$13,330.420
Grains ....bu.	3,366,675	$ 5,086,950	4,688,805	$ 3,785,332
Honey .... lb.	225,670	67,701	309,074	89,631
Wool .... „	258,306	77,492	300,420	42.004
Hops .... „	862,755	405.494	864,435	406,284
Tobacco .... „	90,000	18,000	....	....
Goats' milk ....gals.	75,450	45,300	108,333	65,000
Rabbits	....	83.376	....	66.775
Total miscellaneous	....	$ 697,363	....	$ 669.694
Indian products	....	$ 1.600,000	....	$ 1.720.000
Grand totals	....	$68,926,090	....	$59,742,994

TABLE No. 2.—BRITISH COLUMBIA AGRICULTURAL PRODUCTION AND IMPORTS, YEARS 1920–21 (VALUES ONLY).

Description.	Year.	Production.	Imports from other Canadian Provinces.	Imports from Foreign Points.	Total Imports.
Live stock	1920	$14,014,873	$ 3,984,007	$ 103,976	$ 4,087,983
	1921	14,152,749	3,247,495	89,586	3,337,081
Meats	1920	4,217,212	1,357,642	2,189,316	3,546,958
	1921	2,812,298	552,178	1,803,842	2,356,020
Poultry products	1920	4,157,694	395,501	601,843	997,344
	1921	3,621,107	306,590	395,721	702,311
Dairy products	1920	7,184,060	3,859,946	583,399	4,443,345
	1921	6,506,208	3,544,628	919,629	4,464,257
Fruits	1920	5,658,158	47,493	1,285,964	1,333,457
	1921	6,504,850	92,956	692,079	785,035
Vegetables	1920	8,898,919	172,741	955,442	1,128,183
	1921	6,550,336	93,126	510,687	603,813
Fodders	1920	17,410,852	164,594	616,967	781,561
	1921	13,330,420	210,279	374,601	584,880
Grains	1920	5,086,959	8,920,356	1,393,676	10,314,032
	1921	3,785,332	7,281,353	739,676	8,021,029
Miscellaneous	1920	697,363	701	182,905	183,606
	1921	660,604	874	115,122	115,996
Indian products	1920	1,600,000	....	....	....
	1921	1,720,000	....	....	....
Totals	1920	$68,926,090	$18,902,981	$7,913,488	$26,816,469
	1921	$59,742,994	$15,329,479	$5,640,943	$20,970,422

TABLE No. 3.—BRITISH COLUMBIA AGRICULTURAL PRODUCTION AND IMPORTS (VALUES ONLY), YEARS 1909–21.

Year.	Home Production.	Imports.	Year.	Home Production.	Imports.
1909	$ 8,000,000	$11,110,237	1916	$32,182,915	$17,199,662
1910	14,398,990	15,187,227	1917	37,061,850	19,786,206
1911	21,041,928	14,699,854	1918	49,444,308	21,905,446
1912	22,269,768	15,252,022	1919	65,384,556	22,904,527
1913	26,222,033	20,070,757	1920	68,926,090	26,816,469
1914	30,184,100	25,199,125	1921	59,742,994	20,970,422
1915	31,127,801	16,434,970			

TABLE No. 4.—CROP AREAS, YIELDS, AND VALUES, BRITISH COLUMBIA, YEARS 1919–21.

Crop.	Year.	Acres.	Average Yield.	Total Yield.	Price.	Value.
			Bu.	Bu.		
Fall wheat	1919	12,699	24.75	314,300	$ 2 40	$ 754,320
	1920	13,762	19.25	264,918	2 18	577,521
	1921	14,101	27.25	384,252	1 15	441,889
Spring wheat	1919	31,202	22.00	686,444	2 31	1,585,685
	1920	32,453	18.75	608,493	2 21	1,344,769
	1921	32,426	24.50	794,437	1 25	993,046
All wheat	1919	43,901	22.75	1,000,744	2 34	2,340,005
	1920	46,215	19.00	873,411	2 20	1,922,290
	1921	46,527	25.25	1,178,689	1 22	1,438,000
Oats	1919	45,021	47.25	2,127,242	1 07	2,276,148
	1920	47,992	34.75	1,667,722	0 96	1,601,013
	1921	56,535	48.75	2,756,081	0 57	1,570,966
Barley	1919	10,497	33.00	346,401	1 82	630,449
	1920	9,646	37.75	364,136	1 50	546,204
	1921	8,833	34.75	306,946	0 75	230,209
Rye	1919	4,911	22.50	110,497	2 08	229,833
	1920	5,367	25.75	138,200	2 02	279,164
	1921	5,614	22.50	126,315	1 10	138,946
Peas	1919	2,251	23.00	51,773	2 63	136,162
	1920	2,657	26.00	69,082	3 05	210,700
	1921	2,565	25.00	64,125	2 20	141,075
Beans	1919	1,677	17.25	28,928	3 75	108,480
	1920	1,615	20.00	32,300	4 50	145,350
	1921	1,118	21.00	23,478	2 25	52,825
Corn for husking	1919	857	35.00	29,995	4 50	134,977
	1920	1,008	34.50	34,776	4 00	139,104
	1921	915	35.25	32,253	1 85	59,668
Buckwheat	1919	317	21.00	6,657	1 60	10,651
	1920	277	22.00	6,094	1 40	8,531
	1921	169	22.50	3,802	95	3,612
Other grain-crops	1919	4,911	....	......	....	......
	1920	3,205	....	......	....	......
	1921	1,711	....	......	....	......
Flax	1919	857	6.00	5,142	4 15	21,339
	1920	801	6.00	4,806	3 00	14,418
	1921	631	7.25	4,574	1 90	8,690
Mixed grains	1919	4,017	36.50	146,620	1 37	200,869
	1920	4,893	36.00	176,148	1 25	220,185
	1921	5,663	34.00	192,542	75	144,406
Total grains	1919	119,217	....	3,853,999	....	$ 6,088,913
	1920	123,676	....	3,366,675	....	5,086,959
	1921	130,281	....	4,688,805	....	3,785,332
			Tons.	Tons.		
Grain-hay	1919	60,390	2.50	150,975	$29 00	$ 4,378,275
	1920	60,612	2.25	136,377	33 12	4,516,806
	1921	57,603	2.70	155,528	20 20	3,141,665
Clover and timothy	1919	126,251	1.50	189,376	35 25	6,675,504
	1920	127,017	2.00	254,034	35 00	8,891,190
	1921	137,301	2.30	315,792	23 68	7,477,954
Alfalfa	1919	13,331	3.00	39,993	37 00	1,479,741
	1920	13,478	3.00	40,434	33 71	1,363,030
	1921	12,785	3.70	47,304	23 70	1,121,104
Wild hay	1919	40,528	1.66	67,276	22 97	1,545,329
	1920	39,573	1.35	53,423	25 30	1,351,601
	1921	39,433	1.37	54,023	13 25	715,805
Fodder corn	1919	4,368	11.50	50,232	12 00	602,784
	1920	4,713	11.50	54,199	17 75	962,032
	1921	4,741	9.85	46,699	14 50	677,135
Kale and rape	1919	1,450	19.00	27,550	12 00	330,600
	1920	1,421	19.05	27,070	12 05	326,193
	1921	1,305	18.50	24,142	8 15	196,757
Total fodders	1919	246,318	....	525,402	.....	$15,012,233
	1920	246,814	....	565,537	.....	17,410,852
	1921	253,168	....	643,488	.....	13,330,420

TABLE No. 4.—CROP AREAS, YIELDS, AND VALUES, BRITISH COLUMBIA, YEARS 1919–21—*Continued.*

Crop.	Year.	Acres.	Average Yield.	Total Yield	Price.	Value.
			Tons.	Tons.		
Potatoes	1919	18,000	5.10	91,800	$33 35	$ 3,061,530
	1920	17,780	4.95	88,011	42 66	3,754,549
	1921	16,704	5.28	88,197	30 00	2,645,910
Roots	1919	7,387	9.12	67,369	30 00	2,021,070
	1920	7,403	10.87	80,470	32 40	2,607,228
	1921	6,809	9.15	62,302	26 80	1,669,694
Market vegetables	1919	6,348	6.20	39,338	49 35	1,942,317
	1920	5,456	7.19	39,228	49 72	1,950,416
	1921	5,363	7.50	40,223	44 10	1,773,834
Rhubarb	1919	.....	....	410	89 22	36,580
	1920	.....	....	346	106 84	36,966
	1921	.....	....	299	99 80	29,840
Tomatoes	1919	.....	....	3,074	113 76	349,698
	1920	.....	....	5,374	102 30	549,760
	1921	.....	....	6,571	65 60	431,058
Total vegetables	1919	.....	....	202,011	.....	$ 7,411,195
	1920	.....	....	213,429	.....	8,898,919
	1921	.....	....	197,592	.....	6,550,336
			Lb.	Lb.		
Hops	1919	444	760	337,440	$ 0 60	$ 202,464
	1920	509	1,695	862,755	47	405,494
	1921	507	1,705	864,435	47	406,284
Pasture meadow	1919	61,220	....	......	.....	....
	1920	61,942	....	......	.....	....
	1921	61,508	....	......	.....	....
Fallow	1919	17,845	....	......	.....	....
	1920	16,662	....	......	.....	....
	1921	16,917	....	......	.....	....
Total miscellaneous	1919	.....	....	337,440	$ 0 60	$ 202,464
	1920	.....	....	862,755	47	405,494
	1921	.....	....	864,435	47	406,284

TABLE No. 5.—CARS OF FRUIT PRODUCED IN BRITISH COLUMBIA, YEARS 1919–21.

(Basis.—Minimum weight per car: Apples, crab-apples, and pears, 15 tons; balance, 12 tons.)

Kind.	Year.	Islands.	Lower Mainland.	Thompson Watershed.	Okanagan.	Boundary and Kootenay.	Total Cars.
Apples	1919	84.0	62.9	239.0	2,749.0	314.7	3,449.6
	1920	48.0	45.3	158.4	1,641.2	175.6	2,008.5
	1921	46.7	31.3	308.5	3,476.0	416.7	4,279 2
Crab-apples	1919	0.7	1.5	24.7	261.8	5.1	293.8
	1920	0.7	0.5	23.5	160.6	3.3	188.6
	1921	0.9	0.2	56.2	343.5	9.3	410.1
Pears	1919	11.5	16.3	1.0	76.8	4.8	110.4
	1920	15.6	17.4	3.0	92.8	5.0	133.8
	1921	2.8	2.7	2.0	118.9	15.2	141.6
Peaches	1919	0.2	....	....	129.1	6.0	135.3
	1920	....	....	....	121.2	4.0	125.2
	1921	....	....	....	108.4	1.2	109.6
Plums and prunes	1919	5.6	20.9	3.4	192.5	14.3	236.7
	1920	6.0	28.9	1.1	154.7	7.7	198.4
	1921	2.7	9.0	4.9	212.2	38.1	266.9
Apricots	1919	....	....	....	53.8	0.7	54.5
	1920	....	....	....	39.8	0.5	40.3
	1921	....	....	....	52.3	0.4	52.7
Cherries	1919	7.5	8.4	1.6	36.8	7.0	61.3
	1920	6.7	4.3	0.9	71.6	7.8	91.3
	1921	7.2	3.7	1.3	51.2	9.0	72.4
Total tree-fruits	1919	109.5	110.0	269.7	3,499.8	352.6	4,341.6
	1920	77.0	96.4	186.9	2,281.9	203.9	2,846.1
	1921	60.3	46.9	372.9	4,362.5	489.9	5,332.5

TABLE No. 5.—CARS OF FRUIT PRODUCED IN BRITISH COLUMBIA, YEARS 1919–21—*Continued.*

Kind.	Year.	Islands.	Lower Mainland.	Thompson Watershed.	Okanagan.	Boundary and Kootenay.	Total Cars.
Strawberries	1919	43.3	48.3	1.5	2.2	20.4	115.7
	1920	31.3	34.2	0.8	1.6	8.2	76.1
	1921	65.8	177.4	0.7	4.1	18.0	266.0
Raspberries	1919	0.9	135.5	2.7	2.9	6.7	148.7
	1920	1.1	52.1	1.6	2.0	6.5	63.3
	1921	1.4	77.5	3.3	3.6	5.7	91.5
Blackberries	1919	0.4	24.3	0.2	0.3	1.0	26.2
	1920	0.6	11.9	....	0.4	0.5	13.4
	1921	0.8	19.6	0.3	1.2	0.4	22.3
Loganberries	1919	3.8	2.5	1.7	.....	0.1	8.1
	1920	5.2	3.0	0.3	.....	....	8.5
	1921	4.2	9.5	1.6	.....	0.1	15.4
Bush-fruits	1919	2.5	11.9	1.9	3.2	9.0	28.5
	1920	3.5	9.4	1.7	3.8	6.8	25.2
	1921	2.5	9.1	2.6	5.2	6.1	25.5
Total small fruits	1919	50.9	222.5	8.0	8.6	37.2	327.2
	1920	41.7	110.6	4.4	7.8	22.0	186.5
	1921	75.7	286.6	7.2	14.1	30.2	413.8
Total all fruits	1919	160.4	332.5	277.7	3,508.4	389.8	4,668.8
	1920	118.7	207.0	191.3	2,289.7	225.9	3,032.6
	1921	136.0	333.5	380.1	4,376.6	520.1	5,746.3

For 1919 there must be added approximately 310 car-loads of tree-fruits other than apples not otherwise provided, making a total for the Province of 4,978.8 cars.

For 1920 there must be added approximately 303 car-loads of tree-fruits other than apples not otherwise provided, making a total for the Province of 3,335.6 cars.

For 1921 there must be added approximately 267 car-loads of tree-fruits other than apples not otherwise provided, making a total for the Province of 5,964 cars.

TABLE No. 6.—AVERAGE NET WEIGHTS PER PACKAGE, FRESH FRUITS AND VEGETABLES, YEARS 1918–21.

Description.	Package.	1918.	1919.	1920.	1921.
		Lb.	Lb.	Lb.	Lb.
Apples	Box	41	41	41	41
Crab-apples	,,	40	37	37	37
Pears	,,	44	42	42	42
Plums	Crate	..	17	17	17
Prunes	,,	..	16	16	16
Peaches	,,	19	19	19	19
Apricots	,,	20	20	20	20
Cherries	,,	16	16	16	16
Strawberries (pints)	,,	17	16	16	16
Raspberries (pints)	,,	15	15	15	15
Raspberries (⅗ quarts)	,,	15	15	15	15
Blackberries (pints)	,,	16	16	16	16
Blackberries (⅗ quarts)	,,	16	16	16	16
Loganberries (pints)	,,	16	16	16	16
Loganberries (⅗ quarts)	,,	16	16	16	16
Bush-fruits	,,	17	17	17	17
Grapes	,,	..	16	16	16
Rhubarb	,,	40	40	40	40
Tomatoes	,,	..	17	17	17

AVERAGE TONS PER CAR-LOAD, YEARS 1918–21.

	Tons.
Potatoes	18
Field roots	20
Market-garden	12
Other vegetables	15
Rhubarb	15
Tomatoes	12

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21.

APPLES.

District.	Year.	Packages.	Value.
Islands	1918	49,680	$ 79,488
	1919	61,467	103,510
	1920	35,160	66,830
	1921	34,183	57,576
Lower Mainland	1918	48,704	73,056
	1919	46,050	53,293
	1920	33,186	57,603
	1921	22,931	35,512
Thompson	1918	95,377	155,264
	1919	174,878	293,700
	1920	115,906	244,341
	1921	225,730	302,893
Okanagan	1918	1,030,986	1,826,350
	1919	2,011,451	3,692,912
	1920	1,200,867	2,285,106
	1921	2,543,430	3,141,573
Boundary and Kootenay	1918	118,703	185,069
	1919	230,286	407,038
	1920	128,504	248,946
	1921	304,913	414,179
Totals	1918	1,343,450	$2,319,227
	1919	2,524,132	4,550,453
	1920	1,513,623	2,902,826
	1921	3,131,207	3,951,735

CRAB-APPLES.

District.	Year.	Packages.	Value.
Islands	1918	823	$ 1,317
	1919	539	1,325
	1920	552	1,309
	1921	718	892
Lower Mainland	1918	815	1,222
	1919	1,200	2,400
	1920	431	418
	1921	189	95
Thompson	1918	7,863	9,236
	1919	20,000	21,400
	1920	19,100	25,375
	1921	45,544	36,436
Okanagan	1918	54,422	81,632
	1919	212,308	281,018
	1920	130,203	180,860
	1921	278,522	222,636
Boundary and Kootenay	1918	2,605	3,253
	1919	4,177	4,706
	1920	2,700	3,766
	1921	7,550	6,375
Totals	1918	66,528	$ 96,660
	1919	238,224	310,849
	1920	153,046	211,728
	1921	332,523	266,434

PEARS.

District.	Year.	Packages.	Value.
Islands	1918	7,900	$ 14,615
	1919	8,225	17,841
	1920	11,139	21,324
	1921	1,982	3,909
Lower Mainland	1918	17,561	31,606
	1919	11,617	21,581
	1920	12,462	25,252
	1921	1,909	3,590
Thompson	1918	1,017	2,252
	1919	750	1,088
	1920	2,175	6,150
	1921	1,438	2,876
Okanagan	1918	51,332	109,100
	1919	54,828	141,142
	1920	66,262	152,239
	1921	84,942	169,817
Boundary and Kootenay	1918	3,552	7,480
	1919	3,444	7,650
	1920	3,079	9,528
	1921	10,875	17,740
Totals	1918	81,362	$ 165,053
	1919	78,864	189,902
	1920	95,716	214,488
	1921	101,146	197,932

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21—*Continued.*

PLUMS AND PRUNES.

District.	Year.	Packages.	Value.
Islands	1918	14,270	$ 14,270
	1919	7,962	10,640
	1920	8,555	10,951
	1921	3,816	5,544
Lower Mainland	1918	17,851	16,066
	1919	29,535	24,345
	1920	40,749	25,747
	1921	12,670	11,050
Thompson	1918	2,813	3,258
	1919	4,800	4,800
	1920	1,625	3,087
	1921	6,885	4,820
Okanagan	1918	163,292	158,225
	1919	271,771	306,587
	1920	218,432	259,031
	1921	299,568	209,160
Boundary and Kootenay	1918	12,066	8,827
	1919	20,215	15,332
	1920	10,858	12,900
	1921	53,862	32,929
Totals	1918	210,292	$ 200,646
	1919	334,283	361,704
	1920	280,219	311,716
	1921	376,801	263,503

PEACHES.

District.	Year.	Packages.	Value.
Islands	1918	281	$ 281
	1919	300	450
	1920	......	....
	1921	......	....
Lower Mainland	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Thompson	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Okanagan	1918	203,099	207,539
	1919	163,125	164,502
	1920	153,046	227,948
	1921	136,991	153,574
Boundary and Kootenay	1918	4,185	4,483
	1919	7,582	7,042
	1920	6,053	7,084
	1921	1,490	1,831
Totals	1918	207,565	$ 212,303
	1919	171,007	171,994
	1920	158,099	235,032
	1921	138,481	155,405

APRICOTS.

District.	Year.	Packages.	Value.
Islands	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Lower Mainland	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Thompson	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Okanagan	1918	51,150	$ 66,864
	1919	64,575	113,387
	1920	47,777	89,727
	1921	62,784	92,989
Boundary and Kootenay	1918	6	14
	1919	929	1,165
	1920	565	979
	1921	465	811
Totals	1918	51,156	$ 66,878
	1919	65,504	114,552
	1920	48,342	90,706
	1921	63,249	93,800

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21—*Continued.*

CHERRIES.

District.	Year.	Packages.	Value.
Islands	1918	9,880	$ 17,290
	1919	11,276	24,020
	1920	10,043	23.103
	1921	10,743	26.750
Lower Mainland	1918	17,455	31,419
	1919	12,689	26,758
	1920	6,433	14,880
	1921	5,537	14.600
Thompson	1918	1,208	2.565
	1919	2,400	5,100
	1920	1,350	3.375
	1921	1.950	3,120
Okanagan	1918	40,366	73.425
	1919	55,244	108.191
	1920	107.472	193.713
	1921	76,889	120.786
Boundary and Kootenay	1918	9.075	16,430
	1919	10,509	23.381
	1920	11,777	29.419
	1921	13,469	27.807
Totals	1918	78,584	$ 141,129
	1919	92,118	197,450
	1920	137,075	264.490
	1921	108,588	193,069

STRAWBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	37,977	$ 88.712
	1919	64,957	191.697
	1920	46,932	173.144
	1921	98,623	141,071
Lower Mainland	1918	62,980	153,317
	1919	72,560	250,434
	1920	51,357	199,837
	1921	266.225	476,687
Thompson	1918	2.253	8.098
	1919	2,200	9.350
	1920	1,250	6.250
	1921	1,106	2,489
Okanagan	1918	2,158	6.436
	1919	3,382	16,910
	1920	2.426	10.398
	1921	6,164	13,871
Boundary and Kootenay	1918	21,064	48.705
	1919	30,596	91.764
	1920	12.269	49.760
	1921	26,947	60.564
Totals	1918	126.438	$ 305,269
	1919	173,695	560.155
	1920	114,234	439.389
	1921	399.065	694,682

RASPBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	1,591	$ 4.773
	1919	1,446	5.040
	1920	1.800	7,181
	1921	2,256	5,257
Lower Mainland	1918	151,649	325.322
	1919	216,805	613.506
	1920	83.368	286,576
	1921	123,951	271.728
Thompson	1918	3,900	12.915
	1919	4,300	15.910
	1920	2,500	12.375
	1921	5,345	11.492
Okanagan	1918	2,102	6,010
	1919	4,619	18,014
	1920	3,237	13.886
	1921	5,694	12.243
Boundary and Kootenay	1918	10,652	30,571
	1919	10,712	35,067
	1920	10,355	39.437
	1921	9,175	23.611
Totals	1918	169,894	$ 379,591
	1919	237,882	687.537
	1920	101,260	359,455
	1921	146,421	324,331

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21—*Continued.*

BLACKBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	474	$ 829
	1919	537	1,680
	1920	932	2,958
	1921	1,220	2.870
Lower Mainland	1918	20,883	53.540
	1919	36,574	94,319
	1920	17,904	50,845
	1921	29,387	56,750
Thompson	1918	......	....
	1919	250	825
	1920	......	....
	1921	420	1.008
Okanagan	1918	395	1.129
	1919	497	1.980
	1920	633	1,827
	1921	1,740	3,637
Boundary and Kootenay	1918	858	2,628
	1919	1,491	4.598
	1920	711	2,639
	1921	607	1,465
Totals	1918	22,610	$ 58,126
	1919	39.349	103,402
	1920	20.180	58,269
	1921	33,374	65.730

LOGANBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	3,804	$ 6,446
	1919	5,739	15,874
	1920	7,733	26,587
	1921	6,267	9,317
Lower Mainland	1918	2.928	5.991
	1919	3,842	11,010
	1920	4,475	14,655
	1921	14,355	26,299
Thompson	1918	2,134	6.160
	1919	2,500	7,080
	1920	435	2,110
	1921	2,400	7.626
Okanagan	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Boundary and Kootenay	1918	......	....
	1919	125	391
	1920	......	....
	1921	57	199
Totals	1918	8,866	$ 18.597
	1919	12,206	34.955
	1920	12,643	43,352
	1921	23,139	43,441

RED CURRANTS.

District.	Year.	Packages.	Value.
Islands	1918	619	$ 1,238
	1919	832	1,672
	1920	962	2.651
	1921	1,111	1,664
Lower Mainland	1918	2,732	4.638
	1919	4,869	9,825
	1920	2,464	5,262
	1921	2,186	2,508
Thompson	1918	......	....
	1919	240	540
	1920	300	370
	1921	434	933
Okanagan	1918	......	....
	1919	890	2.225
	1920	1,039	2,789
	1921	2,062	4,434
Boundary and Kootenay	1918	3.480	4.131
	1919	3,093	4.496
	1920	3,424	4,374
	1921	2,277	2.346
Totals	1918	6,831	$ 10,007
	1919	9,924	18.758
	1920	8,189	16.026
	1921	8,070	11,975

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21—*Continued.*

BLACK CURRANTS.

District.	Year.	Packages.	Value.
Islands	1918	977	$ 2,931
	1919	981	3,385
	1920	1,337	5,368
	1921	851	1,480
Lower Mainland	1918	6,608	15,727
	1919	5,648	13,748
	1920	4,261	13,630
	1921	4,396	6,460
Thompson	1918	......	....
	1919	1,240	3,410
	1920	600	2,100
	1921	1,556	3,890
Okanagan	1918	24	44
	1919	1,883	5,795
	1920	2,054	6,638
	1921	3,870	9,675
Boundary and Kootenay	1918	4,111	8,941
	1919	4,753	10,122
	1920	3,653	8,315
	1921	2,743	4,608
Totals	1918	11,720	$ 27,643
	1919	14,505	36,460
	1920	11,905	36,051
	1921	13,416	26,113

GOOSEBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	3,492	$ 5,723
	1919	1,691	3,130
	1920	2,666	6,322
	1921	1,512	2,042
Lower Mainland	1918	4,363	6,335
	1919	6,354	11,469
	1920	6,514	16,077
	1921	6,286	8,838
Thompson	1918	600	1,308
	1919	1,200	2,460
	1920	1,500	3,750
	1921	1,680	2,100
Okanagan	1918	780	1,520
	1919	511	1,297
	1920	709	2,161
	1921	1,480	1,850
Boundary and Kootenay	1918	3,560	5,000
	1919	4,943	7,452
	1920	2,495	4,185
	1921	3,306	3,984
Totals	1918	12,781	$ 19,888
	1919	14,699	25,808
	1920	13,884	32,495
	1921	14,264	18,814

BUSH-FRUITS (RED AND BLACK CURRANTS AND GOOSEBERRIES).

District.	Year.	Packages.	Value.
Islands	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Lower Mainland	1918	315	$ 1,023
	1919	......	....
	1920	......	....
	1921	......	....
Thompson	1918	904	2,612
	1919	......	....
	1920	......	....
	1921	......	....
Okanagan	1918	1,369	4,107
	1919	1,302	3,995
	1920	1,495	4,635
	1921	......	....
Boundary and Kootenay	1918	......	....
	1919	......	....
	1920	......	....
	1921	230	356
Totals	1918	2,588	$ 7,742
	1919	1,302	3,995
	1920	1,495	4,635
	1921	230	356

TABLE No. 8.—FRUIT PRODUCTION, BRITISH COLUMBIA (TONS AND VALUE), YEARS 1918–21.

Description.	Year.	Quantity.	Value.
		Tons.	
Apples	1918	27,541	$2,319,227
	1919	51,744	4,550,453
	1920	31,029	2,902,826
	1921	64,189	3,951,735
Crab-apples	1918	1,347	96,660
	1919	4,407	310,849
	1920	2,831	211,728
	1921	6,151	266,434
Pears	1918	1,790	165,053
	1919	1,636	169,902
	1920	2,010	214,488
	1921	2,124	197,932
Plums and prunes	1918	2,103	200,646
	1919	2,841	301,704
	1920	2,382	311,716
	1921	3,203	263,503
Peaches	1918	1,972	212,305
	1919	1,624	171,994
	1920	1,502	235,032
	1921	1,315	155,405
Apricots	1918	512	66,878
	1919	653	114,552
	1920	483	90,706
	1921	632	93,800
Cherries	1918	629	141,129
	1919	736	187,450
	1920	1,097	264,490
	1921	869	193,069
Strawberries	1918	1,075	305,269
	1919	1,389	560,133
	1920	914	439,389
	1921	3,192	694,682
Raspberries	1918	1,274	379,591
	1919	1,784	687,537
	1920	759	350,455
	1921	1,098	324,331
Blackberries	1918	181	58,126
	1919	314	103,402
	1920	161	58,269
	1921	267	65,730
Loganberries	1918	71	18,597
	1919	98	34,933
	1920	101	43,352
	1921	185	43,441
Bush-fruits	1918	288	65,280
	1919	343	83,021
	1920	302	89,207
	1921	306	57,258
Tree-fruits other than apples, not otherwise provided	1918	3,699	386,400
	1919	3,750	414,500
	1920	3,040	437,500
	1921	3,204	197,530
Totals	1918	42,482	$4,415,160
	1919	71,341	7,772,474
	1920	47,211	5,638,158
	1921	86,735	6,504,850

TABLE No. 9.—APIARIES AND HONEY-CROP, BRITISH COLUMBIA, YEARS 1920–21.

District.	Year.	Apiaries.	Hives.	Crop.	Average Honey per Hive.
Vancouver Island and Gulf Islands.				Lb.	Lb.
Comox	1920	54	216	2,160	10.0
	1921	54	216	.....	....
Duncan	1920	77	308	3,000	9.7
	1921	77	308	250	0.8
Gulf Islands	1920	50	175	1,750	10.0
	1921	50	175	.....	....
Howe Sound	1920	32	64	600	9.4
	1921	32	64	120	1.9
Nanaimo	1920	104	400	4,000	10.0
	1921	104	400	7,000	17.5
Victoria	1920	189	570	6,000	10.5
	1921	189	570	22,800	40.0
Totals	1920	506	1,733	17,510	10.1
	1921	506	1,733	30.170	17.4
Greater Victoria.					
Burnaby	1920	84	505	5.050	10.0
	1921	96	480	4,800	10.0
Coquitlam	1920	19	119	1,000	8.4
	1921	18	131	2,620	20.0
Kerrisdale	1920	20	60	360	6.0
	1921	20	95	1,520	16.0
South Vancouver	1920	67	314	2,100	6.7
	1921	52	290	2,900	10.0
Marpole	1920	19	56	330	5.9
	1921	19	56	952	17.0
North Vancouver	1920	60	300	600	2.0
	1921	56	280	.....	....
Point Grey	1920	16	55	250	4.5
	1921	18	72	1,440	20.0
New Westminster	1920	28	130	1,040	8.0
	1921	32	160	.....	....
Vancouver	1920	81	267	2,140	8.0
	1921	76	245	.....	....
Totals	1920	394	1,806	12,870	7.1
	1921	387	1,809	14,232	7.8
Lower Fraser.					
Delta	1920	68	408	6,120	15.0
	1921	62	434	11,718	27.0
Surrey	1920	95	668	22,945	34.3
	1921	85	692	26,296	38.0
Langley	1920	64	300	7,260	24.2
	1921	70	326	14,670	45.0
Matsqui	1920	82	645	21,325	33.0
	1921	85	690	49,680	72.0
Maple Ridge	1920	55	330	13,200	40.0
	1921	61	390	9,750	25.0
Richmond	1920	48	240	3,600	15.0
	1921	45	250	4,500	16.0
Totals	1920	412	2,591	74.450	28.7
	1921	408	2,782	116,614	41.9
Upper Fraser and Chilliwack.					
Chilliwack	1920	86	350	3,500	10.0
	1921	86	367	8,808	24.0
Kent	1920	20	90	900	10.0
	1921	20	93	1,395	15.0
Dewdney	1920	20	130	4,550	35.0
	1921	18	145	6,090	42.0
Mission	1920	55	260	5.200	20.0
	1921	52	225	4,050	18.0
Sumas	1920	59	410	8.200	20.0
	1921	65	475	19.950	42.0
Totals	1920	240	1,240	22,350	18.0
	1921	241	1,305	40,293	30.8
Okanagan.					
Okanagan	1920	180	1,080	51.300	47.5
	1921	232	1,114	50,130	45.0
Thompson River	1920	61	270	16,200	60.0
	1921	81	388	21,300	54.8
Totals	1920	241	1,350	67,500	50.0
	1921	313	1,502	71,430	47.5

TABLE No. 9.—APIARIES AND HONEY-CROP, BRITISH COLUMBIA, YEARS 1920–21—*Continued.*

District.	Year.	Apiaries.	Hives.	Crop.	Average Honey per Hive.
Kootenays.				Lb.	Lb.
Slocan Valley	1920	24	88	4,400	50.0
	1921	27	118	5,900	50.0
Kootenay Lake and West Arm	1920	34	84	1,920	22.8
	1921	36	90	2,250	25.0
Nelson	1920	46	123	4,895	39.8
	1921	50	146	5,110	35.0
Arrow Lakes	1920	30	250	7,585	30.3
	1921	29	288	8,640	30.0
Castlegar	1920	7	57	1,695	29.7
	1921	9	100	3,000	30.0
East Kootenay	1920	10	43	1,145	26.6
	1921	6	37	925	25.0
Boundary	1920	12	276	6,470	23.4
	1921	22	328	8,200	25.0
Creston	1920	25	89	2,310	25.9
	1921	27	77	2,310	30.0
Totals	1920	188	1,010	30,420	30.1
	1921	206	1,184	36,335	30.6
Bulkley Valley.					
Bulkley Valley	1920	5	7	570	81.4
	1921	11	14	.....	....
Summary.					
Vancouver Island and Gulf Islands	1920	506	1,733	17,510	10.1
	1921	506	1,733	30,170	17.4
Greater Vancouver	1920	394	1,806	12,870	7.1
	1921	387	1,809	14,232	7.8
Lower Fraser	1920	412	2,591	74,450	28.7
	1921	408	2,782	116,614	41.9
Upper Fraser and Chilliwack	1920	240	1,240	22,350	18.0
	1921	241	1,305	40,293	30.8
Okanagan	1920	241	1,350	67,500	50.0
	1921	313	1,502	71,430	47.5
Kootenays	1920	188	1,010	30,420	30.1
	1921	206	1,184	36,335	30.6
Bulkley Valley	1920	5	7	570	81.4
	1921	11	14	.....	....
Totals	1920	1,986	9,737	225,670	23.1
	1921	2,072	10,329	309,074	29.9

Total honey-crop, 1919, 172.29 tons; 1920, 112.83 tons; 1921, 154.53 tons.

EXPRESS SHIPMENTS.

TABLE No. 10.—EXPRESS SHIPMENTS, FRUITS AND VEGETABLES, BRITISH COLUMBIA, YEARS 1911–21.

Year.	Cascade and Thompson Sections, including Vancouver Island.		Shuswap and Okanagan and Okanagan Lake Points.		Kootenay Section.		Totals.		Increase in Weight or Decrease from Previous Year.
	Packages.	Weight.	Packages.	Weight.	Packages.	Weight.	Total Packages.	Total Weight.	
		Lb.		Lb.		Lb.		Lb.	Per Cent.
1911	65,424	1,750,910	22,974	620,290	16,307	413,577	104,705	2,784,777	......
1912	64,704	1,801,967	82,814	2,036,863	18,882	491,403	166,400	4,330,233	+55.50
1913	69,235	1,839,710	107,561	2,581,215	31,466	783,021	208,262	5,203,946	+20.10
1914	94,620	2,332,022	121,136	2,958,026	43,714	1,036,855	259,470	6,326,903	+29.20
1915	105,833	2,538,715	158,931	3,829,797	53,988	1,230,485	318,752	7,598,997	+20.10
1916	123,716	2,859,177	123,014	3,139,783	65,892	1,497,191	312,622	7,496,151	− 1.40
1917	169,137	4,003,193	209,196	5,391,850	50,986	1,131,741	429,319	10,526,784	+40.42
1918	179,077	5,194,824	281,098	7,062,838	72,084	1,815,158	532,259	14,072,820	+33.68
1919	214,261	5,288,778	340,825	9,043,589	103,223	2,622,187	657,809	16,954,554	+20.47
1920	158,879	4,270,019	391,498	10,746,087	72,988	1,957,590	623,365	16,973,696	+ 0.11
1921	349,030	7,644,004	344,049	8,981,416	87,021	2,224,724	780,100	18,850,144	+11.05

Weight increase since 1911, 576.8 per cent.

TABLE No. 11.—RELATING TO QUANTITY OF FRUITS AND VEGETABLES FORWARDED BY EXPRESS, YEARS 1917–21.

Cascade and Thompson Sections, including Vancouver Island.

Place.	1917.	1918.	1919.	1920.	1921.
	Lb.	Lb.	Lb.	Lb.	Lb.
Abbotsford	7,270	8,508	18,360	11,338	51,211
Agassiz	10,503	13,470	20,837	19,710	10,690
Birch Island	......	......	......	[illegible]170	......
Boston Bar	......	......	......	722	......
Chemainus	2,509	2,509	7,897	7,029	1,472
Chilliwack	239,915	543,432	347,406	666,537	612,450
Chu Chua	......	......	......	1,885	378
Clayburn	1,865	830	702	3,166	2,080
Cobble Hill	21,004	30,262	8,405	68,950	62,530
Cowichan	1,195	2,055	3,471	2,116	1,868
Ducks	4,010	5,278	6,003	540	......
Dewdney	......	......	......	32,578	41,820
Duncan	19,653	31,273	37,322	41,682	12,128
Hammond	454,313	553,206	401,807	386,117	486,809
Haney	130,933	343,654	575,741	344,439	731,208
Harrison	12,846	6,345	4,835	9,171	4,034
Hatzic	1,047,822	1,247,602	1,019,272	825,122	3,332,228
Hope	......	3,060	1,615	......	......
Kamloops	16,274	81,221	98,415	80,085	85,901
Langham	......	25,125	......	......	......
Langley	......	8,004	15,405	19,407	16,485
Lytton	9,923	36,539	16,460	11,565	2,460
Matsqui	625	24,429	20,650	11,540	64,600
Mission	603,825	666,831	909,553	627,345	363,632
Nanaimo	7,448	10,813	......	2,729	3,073
New Westminster	119,181	107,884	57,023	48,902	75,495
Parksville	753	8,002	3,222	1,907	5,543
Rosedale	......	38,207	36,831	45,100	25,545
Ruskin	3,644	9,609	6,968	32,321	4,334
Savona	7,125	1,877	4,450	1,340	1,979
Spences Bridge	5,171	20,539	21,029	17,085	10,942
Vancouver	416,736	444,229	859,122	304,765	1,271,219
Victoria	637,224	637,924	430,281	299,674	105,162
Walhachin	74,982	78,310	......	......	2,235
Westminster Junction	......	......	......	......	10,646
Whonnock	51,952	88,899	152,868	......	139,518
Yale	9,954	16,525	10,634	15,398	10,183
Routes.					
Mission and Huntingdon	......	200	255	1,050	4,317
Nicola Branch	7,498	......	......	......	......
Vancouver and Calgary	28,763	48,065	82,576	90,653	49,168
Vancouver and Nelson	24,763	35,053	53,055	208,833	20,519
Vancouver and Ruby Creek	......	......	31,655	19,207	17,958
Vancouver and Sumas	5,265	......	......	......	......
Victoria and Courtenay	4,169	7,160	8,601	4,946	1,254
Victoria and Alberni	2,095	60	908	1,285	......
Victoria and Wellington	11,983	12,835	15,144	3,610	930
Totals	4,003,193	5,194,824	5,288,778	4,270,019	7,644,004

TABLE No. 11.—RELATING TO QUANTITY OF FRUITS AND VEGETABLES FORWARDED BY EXPRESS, YEARS 1917–21—*Continued.*

Shuswap and Okanagan and Okanagan Lake Points.

Place.	1917.	1918.	1919.	1920.	1921.
	Lb.	Lb.	Lb.	Lb.	Lb.
Armstrong	863,819	934,517	1,440,267	1,913,014	1,244,138
Ashcroft	2,530	3,863	6,620	12,205	......
Avola	......	......	......	60	......
Blue River	90	......	522	......	......
Enderby	16,747	6,727	23,435	5,735	23,338
Golden	2,913	3,049	3,785	2,256	5,182
Kelowna	737,595	1,354,563	1,629,692	2,539,886	1,856,420
Naramata	256,971	340,161	324,204	546,760	282,248
Notch Hill	24,353	45,447	50,334	30,013	70,872
Okanagan Centre	62,668	154,232	165,724	184,799	199,603
Okanagan Landing	3,264	4,679	5,286	222,147	410,293
Peachland	179,253	265,127	213,744	290,389	241,025
Penticton	804,411	807,278	1,122,123	1,326,471	975,623
Revelstoke	17,545	35,745	37,382	25,385	21,163
Salmon Arm	197,640	345,985	506,710	354,945	432,815
Shuswap	1,093	2,997	......	......	......
Sicamous	......	......	......	......	2,461
Summerland	1,245,551	1,608,836	2,204,840	1,738,626	1,602,930
Vernon	230,074	526,524	607,217	931,541	876,002
West Summerland	494,502	283,142	379,401	398,581	404,348
Routes.					
Sicamous, Okanagan Landing, and Penticton	230,831	249,966	253,164	153,483	270,832
Okanagan Landing and Naramata	......	......	60,139	49,791	61,503
Totals	5,391,850	7,062,838	9,043,580	10,746,087	8,981,416

Kootenay Section.

Place.	1917.	1918.	1919.	1920.	1921.
Arrowhead	3,507	3,295	2,169	......	......
Athalmer	2,224	5,410	4,018	......	......
Brilliant	1,064	......	......	......	......
Boswell	......	......	......	......	49,351
Castlegar Junction	2,145	8,722	14,924	1,363	3,239
Cranbrook	5,332	17,904	17,165	10,199	17,264
Creston	241,770	354,776	404,418	365,054	307,435
Duck Creek	......	......	......	42,600	160,732
Edgewood	1,701	2,061	3,211	811	......
Erickson	......	......	290,432	376,383	322,547
Grand Forks	89,300	99,136	132,804	150,748	104,317
Kaslo	14,585	59,232	74,100	64,800	71,926
Lake Windermere	......	......	......	1,448	1,159
Nakusp	7,460	24,231	20,009	27,987	27,335
Nelson	42,321	107,419	186,607	78,870	161,297
New Denver	......	......	......	......	29,816
Procter	6,165	11,782	39,610	17,945	9,905
Renata	37,325	......	......	......	......
Robson	22,212	38,485	50,066	50,286	45,862
Rock Creek	......	1,204	835	......	......
Rosebery	1,277	1,386	......	205	139
Rossland	437	9,476	......	......	......
Sirdar	24,020	43,040	48,760	44,213	14,628
Slocan City	1,948	2,952	1,987	3,826	2,682
South Slocan	11,938	16,124	18,550	9,906	21,171
Wynndel	......	......	......	28,082	......
Yahk	1,334	......	......	......	......
Routes.					
Cranbrook and Kimberley	708	60	720	......	......
Golden and Cranbrook	......	1,702	2,365	8,695	54,839
Golden and Waldo	2,418	......	......	......	......
Nelson and Lardeau	50,853	62,913	98,419	66,284	28,064
Nelson and Fernie	......	......	......	250,112	321,046
Nelson and Medicine Hat	346,854	513,793	659,130	48,368	112,940
Nelson and Rossland	135,760	182,016	189,030	19,740	46,043
Nelson and Slocan	12,219	10,030	17,151	14,608	31,480
Revelstoke and Robson	64,804	238,009	335,630	275,057	279,501
Totals	1,131,741	1,815,158	2,622,187	1,937,590	2,224,724
Grand totals	10,526,784	14,072,820	16,954,554	16,973,696	18,830,144
Total packages	426,039	532,259	657,809	623,365	780,100

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21—*Continued.*

CHERRIES.

District.	Year.	Packages.	Value.
Islands	1918	9,880	$ 17,290
	1919	11,276	24,020
	1920	10,043	23,103
	1921	10,743	26,750
Lower Mainland	1918	17,455	31,419
	1919	12,689	26,758
	1920	6,433	14,880
	1921	5,537	14,600
Thompson	1918	1,208	2,565
	1919	2,400	5,100
	1920	1,350	3,375
	1921	1,950	3,120
Okanagan	1918	40,366	73,425
	1919	55,244	108,191
	1920	107,472	193,713
	1921	76,689	120,786
Boundary and Kootenay	1918	9,675	16,430
	1919	10,509	23,381
	1920	11,777	29,419
	1921	13,469	27,807
Totals	1918	78,584	$ 141,129
	1919	92,118	187,450
	1920	137,075	264,490
	1921	108,588	193,069

STRAWBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	37,977	$ 88,712
	1919	64,957	191,697
	1920	46,932	173,144
	1921	98,623	141,071
Lower Mainland	1918	62,980	153,817
	1919	72,560	250,434
	1920	51,357	199,837
	1921	266,225	476,687
Thompson	1918	2,253	8,098
	1919	2,200	9,350
	1920	1,250	6,250
	1921	1,100	2,489
Okanagan	1918	2,158	6,436
	1919	3,382	16,910
	1920	2,420	10,398
	1921	6,164	13,871
Boundary and Kootenay	1918	21,064	48,705
	1919	30,596	91,764
	1920	12,269	49,760
	1921	26,947	60,564
Totals	1918	126,438	$ 305,269
	1919	173,695	560,155
	1920	114,234	439,389
	1921	399,065	694,682

RASPBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	1,591	$ 4,779
	1919	1,446	5,040
	1920	1,800	7,181
	1921	2,256	5,257
Lower Mainland	1918	151,649	325,322
	1919	216,805	613,506
	1920	83,368	286,576
	1921	123,951	271,728
Thompson	1918	3,900	12,915
	1919	4,300	15,910
	1920	2,500	12,375
	1921	5,345	11,492
Okanagan	1918	2,102	6,010
	1919	4,619	18,014
	1920	3,237	13,886
	1921	5,094	12,243
Boundary and Kootenay	1918	10,652	30,571
	1919	10,712	35,067
	1920	10,355	39,437
	1921	9,175	23,611
Totals	1918	169,804	$ 379,591
	1919	237,882	687,537
	1920	101,260	359,455
	1921	146,421	324,331

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21—*Continued.*

BLACKBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	474	$ 829
	1919	537	1,680
	1920	932	2,958
	1921	1,220	2.870
Lower Mainland	1918	20,883	53.540
	1919	36,574	94,319
	1920	17,904	50,845
	1921	29,387	56,750
Thompson	1918	......	....
	1919	250	825
	1920	......	....
	1921	420	1.008
Okanagan	1918	395	1.129
	1919	497	1.060
	1920	633	1,827
	1921	1,740	3,637
Boundary and Kootenay	1918	858	2,628
	1919	1,491	4.598
	1920	711	2.639
	1921	607	1,465
Totals	1918	22,610	$ 58,126
	1919	39.349	103,402
	1920	20.180	58.269
	1921	33,374	65.730

LOGANBERRIES.

Islands	1918	3,804	$ 6.446
	1919	5,739	15,874
	1920	7,739	26,587
	1921	6,267	9,317
Lower Mainland	1918	2,928	5.991
	1919	3;842	11.010
	1920	4,475	14,655
	1921	14,355	26,209
Thompson	1918	2,134	6.160
	1919	2,560	7,080
	1920	435	2,110
	1921	2,460	7.626
Okanagan	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Boundary and Kootenay	1918	......	....
	1919	125	391
	1920	......	....
	1921	57	199
Totals	1918	8,866	$ 18.597
	1919	12,266	34,955
	1920	12,643	43,352
	1921	23,139	43,441

RED CURRANTS.

Islands	1918	619	$ 1,238
	1919	832	1.672
	1920	962	2.651
	1921	1,111	1,664
Lower Mainland	1918	2.732	4.638
	1919	4,869	9,825
	1920	2,464	5,262
	1921	2,186	2,598
Thompson	1918	......	....
	1919	240	540
	1920	300	570
	1921	434	933
Okanagan	1918	......	....
	1919	890	2.225
	1920	1,039	2.789
	1921	2,062	4,434
Boundary and Kootenay	1918	3,480	4.131
	1919	3,093	4.496
	1920	3.424	4,574
	1921	2,277	2.346
Totals	1918	6,831	$ 10.007
	1919	9.924	18.758
	1920	8,189	16.026
	1921	8,070	11,975

TABLE No. 7.—FRUIT PRODUCTION, VARIOUS DISTRICTS, BRITISH COLUMBIA, YEARS 1918–21—*Continued.*

BLACK CURRANTS.

District.	Year.	Packages.	Value.
Islands	1918	977	$ 2.931
	1919	981	3,385
	1920	1,337	5.368
	1921	851	1,480
Lower Mainland	1918	6,608	15,727
	1919	5,648	13.748
	1920	4,261	13,630
	1921	4,396	6.460
Thompson	1918	......	....
	1919	1,240	3.410
	1920	600	2.100
	1921	1,556	3,890
Okanagan	1918	24	44
	1919	1,883	5,795
	1920	2,034	6.638
	1921	3,870	9,675
Boundary and Kootenay	1918	4,111	8,941
	1919	4,753	10,122
	1920	3,653	8.315
	1921	2,743	4,608
Totals	1918	11,720	$ 27,643
	1919	14,505	36,460
	1920	11,905	36.031
	1921	13,416	26.113

GOOSEBERRIES.

District.	Year.	Packages.	Value.
Islands	1918	3,492	$ 5.725
	1919	1,691	3.130
	1920	2,666	6,322
	1921	1,512	2,042
Lower Mainland	1918	4,363	6,335
	1919	6,354	11.469
	1920	6.514	16.077
	1921	6,286	8,838
Thompson	1918	600	1.308
	1919	1,200	2.460
	1920	1.500	3.750
	1921	1,680	2,100
Okanagan	1918	760	1,520
	1919	511	1.297
	1920	709	2.101
	1921	1,480	1.850
Boundary and Kootenay	1918	3.560	5.000
	1919	4,943	7.452
	1920	2,495	4.185
	1921	3.300	3.984
Totals	1918	12,781	$ 19.888
	1919	14,699	25,808
	1920	13,884	32,495
	1921	14,264	18,814

BUSH-FRUITS (RED AND BLACK CURRANTS AND GOOSEBERRIES).

District.	Year.	Packages.	Value.
Islands	1918	......	....
	1919	......	....
	1920	......	....
	1921	......	....
Lower Mainland	1918	315	$ 1,023
	1919	......	....
	1920	......	....
	1921	......	....
Thompson	1918	904	2,612
	1919	......	....
	1920	......	....
	1921	......	....
Okanagan	1918	1,369	4,107
	1919	1,302	3.995
	1920	1,495	4.635
	1921	......	....
Boundary and Kootenay	1918	......	....
	1919	......	....
	1920	......	....
	1921	230	356
Totals	1918	2.588	$ 7.742
	1919	1.302	3.995
	1920	1,495	4,635
	1921	230	356

TABLE No. 8.—FRUIT PRODUCTION, BRITISH COLUMBIA (TONS AND VALUE), YEARS 1918–21.

Description.	Year.	Quantity.	Value.
		Tons.	
Apples	1918	27,541	$2,319,227
	1919	51,744	4,550,453
	1920	31,029	2,902.826
	1921	64,189	3,951,735
Crab-apples	1918	1,347	96,660
	1919	4,407	310,849
	1920	2,831	211,728
	1921	6,151	266,434
Pears	1918	1,790	165,053
	1919	1,630	189,902
	1920	2.010	214.488
	1921	2,124	197,932
Plums and prunes	1918	2,103	200,646
	1919	2,841	361,704
	1920	2,382	311,716
	1921	3,203	263.503
Peaches	1918	1,972	212.305
	1919	1,624	171,994
	1920	1,502	235,032
	1921	1,315	155.405
Apricots	1918	512	66,878
	1919	655	114,552
	1920	483	90,700
	1921	632	93,800
Cherries	1918	629	141,129
	1919	736	187.450
	1920	1,097	264,490
	1921	869	193.069
Strawberries	1918	1,075	305,269
	1919	1,389	560,135
	1920	914	430.389
	1921	3,192	694,682
Raspberries	1918	1,274	379,591
	1919	1,784	687,537
	1920	759	359,455
	1921	1,098	324,331
Blackberries	1918	181	58.126
	1919	314	103,402
	1920	161	58.269
	1921	267	65,730
Loganberries	1918	71	16.597
	1919	98	34.935
	1920	101	43,352
	1921	185	43,441
Bush-fruits	1918	288	65.280
	1919	343	85,021
	1920	302	89,207
	1921	306	57,258
Tree-fruits other than apples, not otherwise provided	1918	3.699	386.400
	1919	3,750	414,500
	1920	3,640	437,500
	1921	3.204	197.530
Totals	1918	42,482	$4,415,160
	1919	71,341	7,772,474
	1920	47,211	5,658,158
	1921	86,735	6,504,850

TABLE No. 9.—APIARIES AND HONEY-CROP, BRITISH COLUMBIA, YEARS 1920–21.

District.	Year.	Apiaries.	Hives.	Crop.	Average Honey per Hive.
Vancouver Island and Gulf Islands.				Lb.	Lb.
Comox	1920	54	216	2,160	10.0
	1921	54	216	.....	....
Duncan	1920	77	308	3,000	9.7
	1921	77	308	250	0.8
Gulf Islands	1920	50	175	1,750	10.0
	1921	50	175	.....	....
Howe Sound	1920	32	64	600	9.4
	1921	32	64	120	1.9
Nanaimo	1920	104	400	4,000	10.0
	1921	104	400	7,000	17.5
Victoria	1920	189	570	6,000	10.5
	1921	189	570	22,800	40.0
Totals	1920	506	1,733	17,510	10.1
	1921	506	1,733	30,170	17.4
Greater Victoria.					
Burnaby	1920	84	505	5.030	10.0
	1921	96	480	4,800	10.0
Coquitlam	1920	19	119	1,000	8.4
	1921	18	131	2,620	20.0
Kerrisdale	1920	20	60	360	6.0
	1921	20	95	1,520	16.0
South Vancouver	1920	67	314	2,100	6.7
	1921	52	290	2,900	10.0
Marpole	1920	19	56	330	5.9
	1921	19	56	952	17.0
North Vancouver	1920	60	300	600	2.0
	1921	56	280	.....	....
Point Grey	1920	16	55	250	4.5
	1921	18	72	1,440	20.0
New Westminster	1920	28	130	1,040	8.0
	1921	32	160	.....	....
Vancouver	1920	81	267	2,140	8.0
	1921	76	245	.....	....
Totals	1920	394	1,806	12,870	7.1
	1921	387	1,800	14,232	7.8
Lower Fraser.					
Delta	1920	68	408	6,120	15.0
	1921	62	434	11,718	27.0
Surrey	1920	95	668	22,945	34.3
	1921	85	692	26,296	38.0
Langley	1920	64	300	7,260	24.2
	1921	70	326	14,670	45.0
Matsqui	1920	82	645	21.325	33 0
	1921	85	690	49,680	72.0
Maple Ridge	1920	55	330	13,200	40.0
	1921	61	390	9,750	25.0
Richmond	1920	48	240	3,600	15.0
	1921	45	250	4,500	16.0
Totals	1920	412	2,591	74,450	28.7
	1921	408	2,782	116,614	41.9
Upper Fraser and Chilliwack.					
Chilliwack	1920	86	350	3,500	10.0
	1921	86	367	8,808	24.0
Kent	1920	20	90	900	10.0
	1921	20	93	1,395	15.0
Dewdney	1920	20	130	4.550	35.0
	1921	18	145	6,090	42.0
Mission	1920	55	260	5,200	20.0
	1921	52	225	4.050	18.0
Sumas	1920	59	410	8.200	20.0
	1921	65	475	19.950	42.0
Totals	1920	240	1.240	22,350	16.0
	1921	241	1,305	40.293	30.8
Okanagan.					
Okanagan	1920	180	1.080	51,300	47.5
	1921	232	1,114	50.130	45.0
Thompson River	1920	61	270	16.200	60.0
	1921	81	388	21.300	54.8
Totals	1920	241	1,350	67,500	50.0
	1921	313	1,502	71,430	47.5

TABLE No. 9.—APIARIES AND HONEY-CROP, BRITISH COLUMBIA, YEARS 1920–21—*Continued.*

District.	Year.	Apiaries.	Hives.	Crop.	Average Honey per Hive.
Kootenays.				Lb.	Lb.
Slocan Valley	1920	24	88	4,400	50.0
	1921	27	118	5,900	50.0
Kootenay Lake and West Arm	1920	34	84	1,920	22.8
	1921	36	90	2,250	25.0
Nelson	1920	46	123	4,895	39.8
	1921	50	146	5,110	35.0
Arrow Lakes	1920	30	250	7,585	30.3
	1921	29	288	8,640	30.0
Castlegar	1920	7	57	1,695	29.7
	1921	9	100	3,000	30.0
East Kootenay	1920	10	43	1,145	26.6
	1921	6	37	925	25.0
Boundary	1920	12	276	6,470	23.4
	1921	22	328	8,200	25.0
Creston	1920	25	89	2,310	25.9
	1921	27	77	2,310	30.0
Totals	1920	188	1,010	30,420	30.1
	1921	206	1,184	36,335	30.6
Bulkley Valley.					
Bulkley Valley	1920	5	7	570	81.4
	1921	11	14	.....	....
Summary.					
Vancouver Island and Gulf Islands	1920	506	1,733	17,510	10.1
	1921	506	1,733	30,170	17.4
Greater Vancouver	1920	394	1,806	12,870	7.1
	1921	387	1,809	14,232	7.8
Lower Fraser	1920	412	2,591	74,450	28.7
	1921	408	2,782	116,614	41.9
Upper Fraser and Chilliwack	1920	240	1,240	22,350	18.0
	1921	241	1,305	40,293	30.8
Okanagan	1920	241	1,350	67,500	50.0
	1921	313	1,502	71,430	47.5
Kootenays	1920	188	1,010	30,420	30.1
	1921	206	1,184	36,335	30.6
Bulkley Valley	1920	5	7	570	81.4
	1921	11	14	.....	....
Totals	1920	1,986	9,737	225,670	23.1
	1921	2,072	10,329	309,074	29.9

Total honey-crop, 1919, 172.29 tons; 1920, 112.83 tons; 1921, 154.53 tons.

EXPRESS SHIPMENTS.

TABLE No. 10.—EXPRESS SHIPMENTS, FRUITS AND VEGETABLES, BRITISH COLUMBIA, YEARS 1911–21.

Year.	CASCADE AND THOMPSON SECTIONS, INCLUDING VANCOUVER ISLAND.		SHUSWAP AND OKANAGAN AND OKANAGAN LAKE POINTS.		KOOTENAY SECTION.		TOTALS.		Increase in Weight or Decrease from Previous Year.
	Packages.	Weight.	Packages.	Weight.	Packages.	Weight.	Total Packages.	Total Weight.	
		Lb.		Lb.		Lb.		Lb.	Per Cent.
1911	65,424	1,750,910	22,974	620,290	16,307	413,577	104,705	2,784,777	......
1912	64,704	1,801,967	82,814	2,036,863	18,882	491,403	166,400	4,330,233	+55.50
1913	69,235	1,839,710	107,561	2,581,215	31,466	783,021	208,262	5,203,946	+20.10
1914	94,620	2,332,022	121,136	2,958,026	43,714	1,036,855	259,470	6,326,903	+29.20
1915	105,833	2,538,715	158,931	3,820,797	53,988	1,230,485	318,752	7,598,997	+20.10
1916	123,716	2,859,177	123,014	3,139,783	65,892	1,497,191	312,622	7,496,151	− 1.40
1917	169,137	4,003,193	209,196	5,391,850	50,986	1,131,741	429,319	10,526,784	+40.42
1918	179,077	5,194,824	281,098	7,062,838	72,084	1,815,158	532,259	14,072,820	+33.68
1919	214,261	5,288,778	340,325	9,043,589	103,223	2,622,187	657,809	16,954,554	+20.47
1920	158,879	4,270,019	391,498	10,746,087	72,988	1,957,590	623,365	16,973,696	+ 0.11
1921	349,080	7,644,004	344,049	8,981,416	87,021	2,224,724	780,100	18,850,144	+11.05

Weight increase since 1911, 576.8 per cent.

TABLE No. 11.—RELATING TO QUANTITY OF FRUITS AND VEGETABLES FORWARDED BY EXPRESS, YEARS 1917–21.

Cascade and Thompson Sections, including Vancouver Island.

Place.	1917.	1918.	1919.	1920.	1921.
	Lb.	Lb.	Lb.	Lb.	Lb.
Abbotsford	7,270	8,508	18,360	11,338	51,211
Agassiz	10,505	18,470	20,837	19,710	10,690
Birch Island	......	......	......	170	......
Boston Bar	......	......	......	722	......
Chemainus	2,509	2,509	7,897	7,029	1,472
Chilliwack	239,915	543,432	347,406	666,537	612,450
Chu Chua	......	......	......	1,885	378
Clayburn	1,865	830	702	3,166	2,080
Cobble Hill	21,004	30,262	8,405	68,950	62,530
Cowichan	1,195	2,055	3,471	2,116	1,868
Ducks	4,010	5,278	6,003	540	......
Dewdney	......	......	......	32,578	41,820
Duncan	19,653	31,278	87,322	41,682	12,128
Hammond	454,313	553,208	401,807	386,117	486,809
Haney	130,933	343,654	573,741	344,439	731,208
Harrison	12,846	6,345	4,835	9,171	4,034
Hatzic	1,047,822	1,247,602	1,019,272	825,122	3,332,228
Hope	......	3,060	1,615	......	......
Kamloops	16,274	81,221	98,415	80,085	85,901
Langham	......	25,125	......	......	......
Langley	......	3,004	15,405	19,407	16,485
Lytton	9,923	36,539	16,460	11,565	2,460
Matsqui	625	24,429	20,650	11,540	64,600
Mission	603,825	666,831	909,553	627,345	363,632
Nanaimo	7,448	10,813	......	2,729	3,073
New Westminster	119,181	107,884	57,023	48,902	75,495
Parksville	753	8,002	3,222	1,907	5,543
Rosedale	......	38,207	36,831	45,100	25,545
Ruskin	3,644	9,609	6,968	32,321	4,334
Savona	7,125	1,877	4,450	1,340	1,979
Spences Bridge	5,171	20,539	21,029	17,085	10,942
Vancouver	416,736	444,229	859,122	304,765	1,271,219
Victoria	637,224	637,924	430,281	299,674	105,162
Walhachin	74,982	78,310	......	......	2,235
Westminster Junction	......	......	......	......	10,646
Whonnock	51,952	88,899	152,868	......	139,518
Yale	9,954	16,525	10,634	15,398	10,183
Routes.					
Mission and Huntingdon	......	200	255	1,050	4,317
Nicola Branch	7,498	......	......	......	......
Vancouver and Calgary	28,763	48,065	82,576	90,653	49,168
Vancouver and Nelson	24,703	35,053	53,055	208,833	20,519
Vancouver and Ruby Creek	......	......	31,655	19,207	17,958
Vancouver and Sumas	5,265	......	......	......	......
Victoria and Courtenay	4,169	7,160	8,601	4,946	1,254
Victoria and Alberni	2,095	60	908	1,285	......
Victoria and Wellington	11,983	12,835	15,144	3,610	930
Totals	4,003,193	5,194,824	5,288,778	4,270,019	7,644,004

TABLE No. 11.—RELATING TO QUANTITY OF FRUITS AND VEGETABLES FORWARDED BY EXPRESS, YEARS 1917–21—*Continued.*

Shuswap and Okanagan and Okanagan Lake Points.

Place.	1917.	1918.	1919.	1920.	1921.
	Lb.	Lb.	Lb.	Lb.	Lb.
Armstrong	863,819	934,517	1,440,267	1,913,014	1,244,158
Ashcroft	2,530	3,863	6,620	12,205	......
Avola	......	......	......	60	......
Blue River	90	......	522	......	......
Enderby	16,747	6,727	23,435	5,735	23,338
Golden	2,913	3,049	3,785	2,256	5,182
Kelowna	737,595	1,354,563	1,629,692	2,539,886	1,856,420
Naramata	256,971	340,161	324,204	546,760	282,248
Notch Hill	24,353	45,447	59,334	30,013	70,872
Okanagan Centre	62,669	154,232	165,724	184,799	199,603
Okanagan Landing	3,264	4,679	5,286	222,147	410,293
Peachland	179,253	265,127	213,744	290,389	241,625
Penticton	804,411	897,278	1,122,123	1,326,471	975,623
Revelstoke	17,545	35,745	37,382	25,385	21,163
Salmon Arm	197,640	345,985	506,710	354,945	432,815
Shuswap	1,093	2,097	......	......	......
Sicamous	......	......	......	......	2,461
Summerland	1,245,551	1,608,836	2,204,840	1,738,626	1,602,930
Vernon	230,074	526,524	607,217	951,541	876,002
West Summerland	494,502	283,142	379,401	398,381	404,348
Routes.					
Sicamous, Okanagan Landing, and Penticton	230,831	249,966	253,104	153,483	270,832
Okanagan Landing and Naramata	......	......	60,139	49,791	61,503
Totals	5,391,850	7,062,838	9,043,580	10,746,087	8,981,416

Kootenay Section.

Arrowhead	3,507	3,295	2,189	......	......
Athalmer	2,224	5,410	4,018	......	......
Brilliant	1,064	......	......	......	......
Boswell	......	......	......	......	49,351
Castlegar Junction	2,145	8,722	14,924	1,363	3,239
Cranbrook	5,332	17,904	17,165	10,199	17,264
Creston	241,770	354,776	404,418	365,054	307,435
Duck Creek	......	......	......	42,600	160,732
Edgewood	1,701	2,061	3,211	811	......
Erickson	......	......	290,432	376,383	322,547
Grand Forks	89,300	99,136	152,804	150,748	104,317
Kaslo	14,585	59,232	74,160	64,800	71,926
Lake Windermere	......	......	......	1,448	1,159
Nakusp	7,460	24,231	20,006	27,987	27,335
Nelson	42,321	107,419	186,607	78,870	161,297
New Denver	......	......	......	......	29,816
Procter	6,165	11,782	39,610	17,945	9,905
Renata	37,325	......	......	......	......
Robson	22,212	38,485	50,069	50,286	45,862
Rock Creek	......	1,204	835	......	......
Rosebery	1,277	1,386	......	205	139
Rossland	437	9,476	......	......	......
Sirdar	24,020	43,040	48,760	44,213	14,628
Slocan City	1,948	2,952	1,987	3,826	2,682
South Slocan	11,938	16,124	18,550	9,906	21,171
Wynndel	......	......	......	28,082	......
Yahk	1,334	......	......	......	......
Routes.					
Cranbrook and Kimberley	708	60	720	......	......
Golden and Cranbrook	......	1,702	2,365	8,695	54,839
Golden and Waldo	2,418	......	......	......	......
Nelson and Lardeau	50,853	62,913	88,419	66,284	28,064
Nelson and Fernie	......	......	......	250,112	321,046
Nelson and Medicine Hat	346,854	513,793	659,130	48,368	112,949
Nelson and Rossland	135,760	182,016	189,030	19,740	46,043
Nelson and Slocan	12,219	10,030	17,151	14,608	31,480
Revelstoke and Robson	64,864	238,009	335,630	275,057	279,501
Totals	1,131,741	1,815,158	2,622,187	1,957,590	2,224,724
Grand totals	10,526,784	14,072,820	16,954,554	16,973,696	18,850,144
Total packages	426,039	532,259	657,809	623,365	780,100

LIVE STOCK.

TABLE No. 12.—NUMBERS OF FARM LIVE STOCK IN BRITISH COLUMBIA, YEARS 1919–21.

Description.	1919.	1920.	1921.
Horses—			
Stallions, 2 years old and over	828	825	849
Mares, 2 years old and over	18,734	18,641	19,108
Geldings, 2 years old and over	17,154	17,728	18,298
Colts and fillies under 2 years	7,001	6,876	6,303
Total horses	43,717	44,070	44,558
Mules	580	508	313
Beef cattle—			
Bulls for breeding	1,677	1,693	1,895
Cows, 2 years old and over	80,034	79,520	72,919
Yearlings	29,734	30,320	32,454
Calves	24,854	25,704	30.362
All other beef cattle	16,771	17,535	22,224
Dairy cattle—			
Bulls for breeding	2,480	2,569	2,601
Milch cows, 2 years old and over	51,594	53,974	57,973
Yearlings	17,880	17,795	18.804
Calves	16,737	16,681	18,360
All other dairy cattle	4,477	3,797	3,774
Total cattle	246,238	249,588	261,372
Sheep	44,985	46,473	51.457
Swine	44,960	44,010	41,522
Goats	3,500	4,840	6,000
Poultry—			
Hens	443.491	465,944	543.536
Chickens	695,874	831,655	859,546
Turkeys	7,717	7,858	8.556
Geese	11,962	12,262	11.918
Ducks	21,977	22,363	23.360
Total poultry	1,181,021	1,340,082	1,446,916
Rabbits	83,050	82,146	65.789

IMPORTS.

TABLE No. 13.—AGRICULTURAL PRODUCTS IMPORTED FROM OTHER PROVINCES IN CANADA INTO BRITISH COLUMBIA, YEARS 1919–21.

Description.	1921.		1920.		1919.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Horses No.	68	$ 15,739	225	$ 43,386	109	$ 18,774
Beef cattle ″	21,645	1,611,796	15,836	1,821,885	14,770	1,616,774
Sheep ″	24,265	240,673	18,277	204,059	11,710	193,215
Swine ″	50,901	1,379,287	48,166	1,914,677	45,376	1,590,203
Total live stock	......	$ 3,247,495	......	$ 3,984,007	......	$ 3,418,966
Beef and veal lb.	1,542,454	$ 151,625	1,214,809	$ 176,104	2,542,001	$ 432,140
Pork and pork products ″	644,475	167,508	2,960,121	976,897	6,009,211	1,759,210
Mutton ″	294,504	46,626	223,180	46,958	110,359	27,572
Lard ″	147,069	32,038	228,345	68,832	629,104	139,360
Meats (canned) ″	709,601	154,381	261,126	88,851	181,454	52,622
Total meats	3,338,103	$ 552,178	4,887,581	$ 1,357,642	9,472,129	$ 2,460,904
Poultry lb.	441,053	$ 179,837	288,328	$ 117,834	894,020	$ 250,325
Eggs doz.	306,210	126,753	512,340	277,667	1,041,202	583,973
Total poultry products	......	$ 306,590	......	$ 395,501	......	$ 834,298
Butter lb.	5,604,131	$ 2,577,983	3,929,327	$ 2,355,735	4,563,212	$ 2,441,318
Cheese ″	910,193	238,384	843,642	252,742	1,402,501	437,580
Milk (condensed sweetened) cases.	15,024	145,903	33,892	365,267	......	449,830
Milk (evaporated) ″	49,454	281,828	86,275	557,768		
Milk (sterilized) ″	45,019	221,652	54,546	298,880		
Milk (powdered) ″	159,059	78,878	98,094	29,554	......	....
Total dairy products	......	$ 3,544,628	......	$ 3,859,946	......	$ 3,328,728
Wheat bu.	786,733	$ 1,470,546	501,204	$ 1,202,898	2,049,161	$ 3,073,741
Oats ″	842,000	822,745	1,221,408	1,367,976		
Barley ″	151,583	140,271	291,604	440,332		
Rye ″	580	1,404	1,669	4,087		
Mill stock-feed tons.	21,960	764,761	18,045	927,717	12,405	553,263
Flour bbls.	364,885	3,769,262	366,210	4,555,652	365,745	3,877,022
Malt bu.	146,044	312,364	205,347	421,694	70,833	172,850
Total grains, etc.	......	$ 7,281,353	......	$ 8,920,356	......	$ 7,676,876
Hay tons.	7,251	$ 210,279	4,236	$ 164,594	21,906	$ 737,248
Canned vegetables lb.	1,034,613	$ 93,126	1,327,238	$ 172,741	831,050	$ 81,495
Canned fruits ″	931,364	92,956	301,900	47,493	399,026	43,675
Honey ″	3,120	874	2,211	701	25,669	8,024
Total miscellaneous	.....	$ 186,956	......	$ 220,935	......	$ 133,194
Grand totals	......	$ 15,329,479	......	$ 18,902,981	.....	$ 18,590,214

TABLE No. 14.—AGRICULTURAL PRODUCTS IMPORTED FROM FOREIGN POINTS INTO BRITISH COLUMBIA, YEARS 1919–21.

Description.	1921.		1920.		1919	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Horses ..... No.	134	$ 13,271	356	$ 39,500	463	$ 37,955
Cattle ..... "	431	18,623	889	56,075	22	885
Sheep ..... "	11,601	57,692	991	8,401	1,658	13,944
Total live stock	. ....	$ 89,586	......	$ 103,976	.....	$ 52,784
Beef and veal ..... lb.	10,357	$ 2,621	906,294	$ 169,025	36,209	$ 6,986
Pork and pork products ..... "	4,286,572	988,700	3,513,064	1,008,871	960,317	276,070
Mutton ..... "	3,350,354	548,632	4,503,127	694,223	3,735,733	645,080
Lard ..... "	1,047,888	139,389	809,740	176,151	156,662	40,565
Meats (canned) ..... "	277,593	64,561	250,418	65,158	194,657	58,141
Other meats ..... "	......	59,939	......	75,888	......	153,813
Total meats	... ..	$ 1,803,842	......	$ 2,189,316	......	$ 1,180,655
Poultry ..... lb.	.....	$ 10,657	. ...	$ 13,276	.....	$ 28,179
Eggs ..... doz.	1,161,403	385,064	1,073,567	588,567	939,988	400,208
Total poultry products	......	$ 395,721	......	$ 601,843	......	$ 428,387
Butter ..... lb.	1,658,657	$ 852,962	944,612	$ 548,570	978,546	$ 425,850
Cheese ..... "	207,798	66,667	71,656	34,829	49,937	20,740
Total dairy products	......	$ 919,629	......	$ 583,399	......	$ 446,590
Apples ..... lb.	3,356,860	$ 120,562	4,138,704	$ 136,656	1,005,400	$ 45,360
Other tree-fruits ..... "	4,228,139	227,240	3,144,903	223,396	4,361,684	225,564
Small fruits ..... "	1,104,870	128,014	932,097	128,221	1,257,840	142,423
Canned fruits ..... "	1,867,691	216,263	6,307,982	802,691	2,679,751	288,414
Total fruits ..... "	10,557,060	$ 692,079	14,523,686	$ 1,285,964	9,304,625	$ 701,767
Potatoes ..... tons	358	$ 8,703	7,567	$ 222,233	842	$ 34,761
Potatoes (sweet) ..... "	252	22,177	341	30,902	.....	......
Other vegetables ..... "	.....	336,049	......	498,739	......	282,142
Canned vegetables ..... lb.	1,116,880	143,758	1,628,635	203,568	1,623,122	183,220
Total vegetables	.....	$ 510,687	.....	$ 955,442	.....	$ 500,123
Hay ..... tons.	21,328	$ 374,601	23,887	$ 616,967	13,572	$ 326,977
Wheat ..... bu.	103,790	$ 139,304	73,081	$ 166,238	*179,426	$ 594,982
Oats ..... "	1,178	995	3,085	5,729		
Barley ..... "	241	449	186	481		
Rye ..... "	637	1,183	625	1,417		
Buckwheat ..... "	45	64	... .	......		
Peas ..... "	14,343	28,005	25,241	67,428		
Beans ..... "	118,236	165,911	120,468	376,936		
Corn ..... "	475,719	360,651	438,069	715,384		
Malt ..... "	39,623	42,614	83,760	60,063	1,631	2,611
Total grains, etc	......	$ 739,676	......	$ 1,393,676	......	$ 597,593
Honey ..... lb.	189,382	$ 30,112	427,860	$ 81,853	98,043	$ 19,197
Hops ..... "	45,185	22,676	84,643	40,857	88,138	24,396
Nursery stock ..... No.	......	62,334	......	60,195	.... .	35,844
Total miscellaneous	......	$ 115,122	.....	$ 182,905	......	$ 79,437
Grand totals	.....	$ 5,640,943	......	$ 7,913,488	......	$ 4,314,313

TABLE No. 15.—IMPORTED FRUIT, POTATOES, ETC., INSPECTED AND CONDEMNED, ALL PORTS OF ENTRY, BRITISH COLUMBIA, YEARS 1919–21.

Kind.		Year.	Inspected.	Condemned.
Apples	boxes	1919	24,710	2,804
„	„	1920	87,411	2,736
„	„	1921	85,601	1,718
„	½ boxes	1919	450	46
„	„	1920	209	20
„	„	1921	290	49
„	bbls.	1919	8	......
„	„	1920	10	......
„	„	1921	7	......
Apricots	boxes	1919	26,176	227
„	„	1920	15,401	......
„	„	1921	27,502	......
Cherries	„	1919	8,140	166
„	„	1920	6,387	12
„	„	1921	8,607	235
Crab-apples	„	1919	70	1
„	„	1920	43	10
„	„	1921	78	38
„	½ boxes	1919	......	......
„	„	1920	......	......
„	„	1921	3	2
Nectarines	boxes	1919	16	......
„	„	1920	......	......
„	„	1921	22	......
Peaches	„	1919	60,107	1,490
„	„	1920	54,716	2,592
„	„	1921	98,717	1,028
Pears	„	1919	32,076	2,613
„	„	1920	24,802	897
„	„	1921	28,186	2,838
„	½ boxes	1919	31	......
„	„	1920	17	......
„	„	1921	80	28
„	¾ boxes	1919	......	......
„	„	1920	3,368	......
„	„	1921	......	......
Plums	boxes	1919	10,665	92
„	„	1920	10,892	116
„	„	1921	13,760	361
Prunes	„	1919	3,290	......
„	„	1920	6,432	......
„	„	1921	10,478	......
Quince	„	1919	47	......
„	„	1920	30	......
„	„	1921	72	1
Grapefruit	„	1919	10,987	41
„	„	1920	18,602	45
„	„	1921	17,361	41
Lemons	„	1919	23,601	......
„	„	1920	30,553	......
„	„	1921	27,657	......
Limes	„	1919	......	......
„	„	1920	1	......
„	„	1921	......	......
Oranges, California	„	1919	130,382	670
„ „	„	1920	133,393	1,324
„ „	„	1921	178,423	432
„ Chinese	„	1919	364	......
„ „	„	1920	275	......
„ „	„	1921	333	......
„ Japanese	„	1919	138,141	......
„ „	„	1920	235,432	......
„ „	„	1921	153,183	16
„ marmalade	„	1919	......	......
„ „	„	1920	......	......
„ „	„	1921	1,693	......
Persimmons	„	1919	269	......
„	„	1920	430	......
„	„	1921	156	......
Pineapples	„	1919	816	......
„	„	1920	55	10
„	„	1921	490	......
Pomegranites	„	1919	248	......
„	„	1920	302	......
„	„	1921	187	......
Pomelos	„	1919	79	......
„	„	1920	406	......
„	„	1921	1,122	......
Tangerines	„	1919	5	......
„	„	1920	......	......
„	„	1921	50	......
Egg-plants	„	1919	152	......
„	„	1920	194	......
„	„	1921	107	......

TABLE No. 15.—IMPORTED FRUIT, POTATOES, ETC., INSPECTED AND CONDEMNED, ALL PORTS OF ENTRY, BRITISH COLUMBIA, YEARS 1919–21—*Continued.*

Kind.		Year.	Inspected.	Condemned.
Onions	crates	1919	......	......
"	"	1920	2,400	257
"	"	1921	......	......
Peppers	boxes	1919	1,072	......
"	"	1920	2,296	......
"	"	1921	916	12
Potatoes	tons	1919	3.836	113
"	"	1920	9,812	186
"	"	1921	203	4
"	crates	1919	2,132	......
"	"	1920	......	......
"	"	1921	......	......
" sweet	tons	1919	......	......
" "	"	1920	350	1
" "	"	1921	316	16
" "	crates	1919	5,262	855
" "	"	1920	......	......
" "	"	1921	......	......
Tomatoes	boxes	1919	5,955	80
"	"	1920	17,432	173
"	"	1921	10.936	1
Yakamines	"	1919	......	......
"	"	1920	156	......
"	"	1921	135	......
Yams	crates	1919	940	......
"	"	1920	......	......
"	"	1921	......	......
"	tons	1919	......	......
"	"	1920	61	......
"	"	1921	60	......
Mango	crates	1919	2	......
"	"	1920	......	......
"	"	1921	......	......
Taro	"	1919	1,800	......
"	"	1920	......	......
"	"	1921	......	......
"	tons	1919	......	......
"	"	1920	113	......
"	"	1921	109	......

TABLE No. 16.—IMPORTED NURSERY STOCK INSPECTED AND CONDEMNED, ALL PORTS OF ENTRY, BRITISH COLUMBIA, YEARS 1919–21.

Kind.		Year.	Inspected.	Condemned.
Apples	trees	1919	25,968	246
"	"	1920	44,094	3,458
"	"	1921	53,541	1,198
Apricots	"	1919	10,489	249
"	"	1920	4,261	99
"	"	1921	9,574	53
Cherries	"	1919	6,478	169
"	"	1920	8,009	119
"	"	1921	17,266	279
Crab-apples	"	1919	465	22
"	"	1920	210	42
"	"	1921	47	2
Nectarines	"	1919	58	2
"	"	1920	33	......
"	"	1921	16	1
Peaches	"	1919	4,703	1,026
"	"	1920	7,885	1,456
"	"	1921	7,430	324
Pears	"	1919	9,005	272
"	"	1920	13,649	1,059
"	"	1921	7,399	1,143
Persimmons	"	1919	......	......
"	"	1920	......	......
"	"	1921	1	......
Plums	"	1919	3,652	42
"	"	1920	3,022	210
"	"	1921	5,961	42
Prunes	"	1919	4,869	13
"	"	1920	5,346	262
"	"	1921	6,627	46
Mulberries	"	1919	59	......
"	"	1920	......	......
"	"	1921	......	......
Figs	"	1919	5	......
"	"	1920	8	......
"	"	1921	68	......
Quinces	"	1919	153	3
"	"	1920	160	......
"	"	1921	51	......
Total standard		1919	66,299	2,044
		1920	86,677	6,705
		1921	107,981	3,088
Almonds	trees	1919	14	......
"	"	1920	39	......
"	"	1921	63	2
Chestnuts	"	1919	11	......
"	"	1920	29	12
"	"	1921	400	74
Filberts	"	1919	48	2
"	"	1920	31	2
"	"	1921	713	236
Pecans	"	1919	......	......
"	"	1920	......	......
"	"	1921	8	......
Walnuts	"	1919	277	......
"	"	1920	609	2
"	"	1921	671	......
Total nuts		1919	350	2
		1920	708	16
		1921	1,855	312
Seedlings, fruit	units	1919	238,769	604
" "	"	1920	298,549	1,591
" "	"	1921	655,088	618
" ornamental	"	1919	......	......
" "	"	1920	4,483	100
" "	"	1921	700	......
Grafts	"	1919	66,270	1,947
"	"	1920	192	12
"	"	1921	4,748	......
Scions	"	1919	......	......
"	"	1920	4,300	......
"	"	1921	6,929	......
Total seedlings, grafts, and scions		1919	305,039	2,551
		1920	307,524	1,703
		1921	667,465	618

TABLE No. 16.—IMPORTED NURSERY STOCK INSPECTED AND CONDEMNED, ALL PORTS OF ENTRY, BRITISH COLUMBIA, YEARS 1919–21—*Continued.*

Kind.		Year.	Inspected.	Condemned.
Blackberries	bushes	1919	16,452	223
„	„	1920	8,931	239
„	„	1921	5,908	31
Blueberries	„	1919	......	......
„	„	1920	......	......
„	„	1921	17	3
Cranberries	„	1919	......	......
„	„	1920	......	......
„	„	1921	2,000	18
Currants	„	1919	2,944	61
„	„	1920	13,676	149
„	„	1921	2,337	1,149
Gooseberries	„	1919	6,776	18
„	„	1920	4,080	188
„	„	1921	4,797	294
Loganberries	„	1919	......	......
„	„	1920	......	......
„	„	1921	66,350	6
Grapes	vines	1919	1,409	86
„	„	1920	6,020	1,181
„	„	1921	2,818	147
Raspberries	canes	1919	13,936	83
„	„	1920	172,010	643*
„	„	1921	82,508	6,947
Strawberries	plants	1919	175,346	......
„	„	1920	855,750	8,775
„	„	1921	45,244	50
Total bushes, vines, canes, and plants		1919	216,863	471
		1920	1,060,467	11,175
		1921	211,979	8,645
Bulbs and roots	units	1919	375,807	2,509
„ „	„	1920	1,150,266	26,488
„ „	„	1921	1,024,283	670
Ornamentals, trees and shrubs	„	1919	20,826	168
„ „ „	„	1920	30,264	338
„ „ „	„	1921	48,120	309
Plants (herbaceous)	„	1919	26,289	......
„ „	„	1920	26,503	162
„ „	„	1921	37,681	181
Rose-bushes	„	1919	34,969	197
„	„	1920	21,593	58
„	„	1921	93,617	36
Total ornamentals		1919	457,891	2,874
		1920	1,228,626	27,046
		1921	1,203,701	1,196

* Including loganberries.

METEOROLOGICAL.

TABLE No. 17.—SHOWING PRECIPITATION, YEARS 1920–21 (IN INCHES).

Station.	Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.'
East Kootenay.														
Cranbrook	1920	1.43	0.61	1.08	1.36	1.48	0.65	2.32	0.68	0.75	1.68	1.27	1.58	14.89
	1921	2.40	1.45	1.17	0.95	1.17	0.60	0.79	0.13	0.79	0.46	2.13	1.73	13.77
Creston	1920	2.02	0.50	1.41	2.27	2.08	1.51	0.93	0.44	2.30	1.26	2.35	2.72	19.79
	1921	3.11	2.59	1.57	0.97	1.95	1.27	0.63	0.26	0.71	1.23	2.18	2.30	18.77
Golden	1920	4.65	0.65	0.20	1.00	1.98	0.78	1.01	0.59	1.55	1.41	1.88	1.65	17.35
	1921	4.10	2.46	0.88	0.87	0.82	1.88	1.17	2.04	4.16	1.08	2.21	0.55	22.22
Wilmer	1920	2.58	0.28	0.89	2.07	1.17	0.09	0.99	0.21	1.22	0.46	0.35	0.67	11.88
	1921	0.65	0.92	1.17	0.45	0.28	1.39	0.60	0.72	1.90	0.79	1.04	1.05	10.97
West Kootenay.														
Glacier	1920	13.35	3.10	8.40	4.70	5.38	2.52	1.33	2.45	5.07	5.83	7.53	6.55	66.21
	1921	8.15	7.10	6.30	3.31	1.60	4.20	1.85	2.80	8.41	5.72	8.31	5.05	62.89
Nakusp	1920	4.42	0.97	2.46	2.12	2.69	1.89	1.82	1.23	4.57	2.51	0.29	2.83	27.80
	1921	3.33	1.92	2.27	1.43	0.46	3.14	0.10	1.90	2.83	2.11	1.07	3.03	23.59
Nelson	1920	2.57	0.41	1.80	2.39	....	....	....	....	....	....	....	....	....
	1921	0.43	0.99	1.00	1.71	0.68	2.62	0.24	0.33	1.86	1.87	3.50	2.56	17.88
Revelstoke	1920	7.03	0.55	4.24	2.79	....	....	....	....	....	....	....	....	....
	1921	....	....	...	....	....	....	....	....	....	2.94	5.16	2.95	....
Rossland	1920	2.63	0.25	3.53	2.83	3.14	2.12	1.50	1.47	5.11	....	....	....	....
	1921	4.95	2.48	....	....	....	....	....	....	....	....	....	....	....
Boundary.														
Grand Forks	1920	0.98	0.30	0.37	1.30	0.40	1.05	1.33	0.87	1.81	1.64	1.50	1.54	13.18
	1921	2.28	1.08	1.29	1.06	0.91	1.80	0.10	0.00	1.20	1.40	1.66	1.45	15.28
Hedley	1920	1.00	0.91	0.49	1.30	0.14	0.79	1.01	0.30	1.08	0.85	0.13	....	....
	1921	....	....	....	....	....	....	....	....	....	....	....	....	....
Okanagan Valley.														
Armstrong	1920	1.51	0.32	1.37	1.50	1.41	2.66	0.35	1.01	2.96	3.14	3.04	1.70	19.97
	1921	1.85	0.85	1.64	1.11	0.05	2.40	0.37	0.99	1.37	0.93	3.16	0.98	16.21
Enderby	1920	2.58	0.44	2.09	1.94	0.72	2.30	0.64	0.73	2.12	2.47	1.46	1.78	19.27
	1921	1.57	0.71	0.88	1.22	0.55	2.58	0.40	1.17	1.75	0.81	2.80	1.48	15.92
Kelowna	1920	1.45	0.05	0.71	1.32	0.20	0.76	0.71	0.56	1.63	1.72	0.97	1.00	11.08
	1921	0.47	0.45	0.54	0.86	0.62	1.31	0.13	1.09	0.67	0.39	1.71	1.23	9.47
Penticton	1920	1.34	0.11	0.33	1.52	0.23	0.80	0.75	0.42	1.98	1.07	0.64	0.50	10.19
	1921	1.19	0.14	0.93	1.37	1.65	1.63	0.06	0.73	0.59	0.49	1.41	1.43	11.64
Summerland	1920	1.45	0.24	0.52	2.11	0.04	1.83	1.01	0.25	1.91	1.73	0.71	0.68	11.98
	1921	1.18	0.07	1.08	1.27	1.23	1.98	0.00	0.96	0.36	0.29	1.86	1.28	11.56
Vernon (Coldstream)	1920	1.94	0.48	0.93	1.35	0.45	1.29	0.38	1.33	1.70	1.40	0.88	1.14	13.47
	1921	0.92	0.91	1.17	0.74	0.75	2.38	0.21	1.11	1.06	0.49	2.29	1.01	13.04

TABLE No. 17.—SHOWING PRECIPITATION, YEARS 1920–21 (IN INCHES)—*Continued.*

Station.	Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Thompson Watershed.														
Kamloops	1920	0.83	0.15	0.18	0.63	0.11	0.63	0.35	1.18	0.58	1.07	0.78	0.82	7.31
	1921	0.60	0.20	0.50	0.34	0.96	0.65	0.23	0.84	0.49	0.09	1.78	0.47	7.15
Salmon Arm	1920	2.43	0.45	1.75	1.63	1.12	2.78	0.38	1.32	2.63	2.81	2.40	2.87	22.57
	1921	3.13	2.20	0.80	0.86	1.06	1.75	0.36	0.85	1.26	1.40	3.38	1.47	18.52
Tranquille	1920	0.33	....	....	....	....	0.32	0.54	1.23	0.50	0.81	0.60	0.89	....
	1921	0.36	0.15	0.64	0.30	0.77	0.61	0.12	0.39	0.50	0.05	1.35	0.27	5.51
Lower Mainland.														
Agassiz	1920	15.08	2.04	6.44	9.95	4.56	8.39	1.21	1.67	12.42	11.35	4.80	8.46	86.37
	1921	9.83	9.82	5.21	5.58	3.58	5.20	2.18	1.81	7.67	12.79	11.34	9.52	84.53
Chilliwack	1920	12.99	2.12	7.15	3.21	3.30	4.60	0.64	1.50	10.32	9.86	5.72	8.70	70.33
	1921	10.05	8.87	4.95	3.94	2.18	5.15	0.57	2.62	8.24	11.38	9.69	8.66	76.30
Coquitlam	1920	10.88	1.44	8.16	2.74	2.01	3.59	1.21	3.23	13.37	10.54	6.89	13.51	77.57
	1921	11.53	10.16	3.26	6.06	3.09	4.36	0.13	4.08	8.50	13.79	10.85	8.00	84.42
Ladner	1920	5.95	1.40	2.50	2.60	1.85	3.45	1.50	2.75	7.90	6.20	6.15	8.81	51.06
	1921	....	....	....	....	....	....	....	....	....	....	....	....	....
North Nicomen	1920	14.00	2.10	9.22	3.85	3.71	5.53	0.73	2.17	11.53	12.88	7.61	11.09	84.44
	1921	12.76	9.43	5.34	5.60	2.68	5.62	0.98	3.35	7.80	10.26	10.98	9.71	84.51
Vancouver	1920	8.92	1.21	5.20	2.51	1.94	3.06	0.67	2.91	10.37	8.34	7.14	11.01	63.28
	1921	9.39	6.66	2.53	3.62	2.32	3.64	0.32	2.84	5.03	10.08	8.99	5.36	61.18
Islands.														
Alberni (Beaver Creek)	1920	5.68	1.35	6.44	2.06	3.29	3.18	0.78	3.07	8.72	10.96	14.01	17.37	76.91
	1921	12.07	7.68	3.78	3.59	2.64	5.07	0.39	2.97	7.48	16.10	10.75	6.17	78.69
Clayoquot	1920	12.80	3.20	10.03	2.62	6.59	5.45	1.61	3.11	15.88	14.23	23.57	30.24	129.33
	1921	18.85	18.80	4.40	10.81	2.34	11.61	0.60	6.38	15.37	14.92	15.15	9.82	129.05
Cowichan	1920	3.72	0.48	3.65	1.37	1.53	1.67	0.88	3.32	4.73	5.20	5.87	7.96	40.38
	1921	9.35	4.93	2.60	1.32	1.42	2.39	0.13	1.85	4.25	10.37	7.67	6.30	52.98
Goldstream	1920	7.74	0.90	6.63	2.31	3.14	2.12	1.22	2.73	9.26	9.00	7.42	11.10	63.66
	1921	16.57	9.75	3.47	2.91	2.33	2.35	0.21	2.22	7.55	16.02	10.72	9.79	83.89
Ladysmith	1920	3.42	0.60	4.01	1.84	2.59	2.09	0.94	3.24	7.15	6.14	9.11	11.31	52.43
	1921	10.21	5.40	3.91	1.97	1.20	2.86	0.41	1.79	5.38	11.99	9.00	7.66	61.78
Nanaimo	1920	3.30	0.63	2.57	1.02	1.60	1.44	0.76	2.87	4.94	4.51	6.44	7.33	37.41
	1921	6.44	3.44	2.09	1.53	1.16	2.46	1.17	1.61	3.64	9.31	6.60	4.40	43.85
Saltspring Island	1920	3.40	0.56	3.90	1.64	1.53	1.64	0.84	3.48	6.08	4.37	6.19	7.88	41.60
	1921	8.23	4.61	2.49	1.40	1.59	1.74	0.33	1.54	2.94	8.17	8.67	5.84	47.55
Sandwick	1920	3.61	0.84	3.70	1.15	1.62	2.05	1.27	3.26	6.77	7.51	11.26	15.98	59.06
	1921	10.27	4.29	3.92	2.01	1.61	3.50	0.22	2.02	5.19	13.43	1.90*	2.95*	51.31*
Sooke	1920	8.68	1.05	7.25	2.37	3.37	1.80	1.24	3.06	10.16	9.17	8.27	14.39	70.81
	1921	11.72	7.83	2.51	3.47	1.62	1.54	0.16	1.34	5.19	9.06	7.68	9.29	61.41
Victoria	1920	5.55	0.62	2.28	1.45	1.37	1.04	1.00	1.61	3.62	4.03	8.11	4.62	30.30
	1921	5.55	4.28	1.23	1.13	1.47	1.24	0.15	0.85	2.80	4.74	6.09	5.57	35.10

Northern.														
Alkali Lake	1920	....	....	0.08	0.05	0.36	1.79	....	....	....	....	0.64	0.51	....
	1921	0.78	0.25	0.40	0.60	0.58	0.75	1.15	1.73	1.01	0.03	....	....	....
Bella Coola	1920	15.81	1.02	4.77	1.60	2.60	3.88	2.49	3.47	4.76	7.72	7.46	7.96	64.52
	1921	3.84	6.58	2.71	2.47	1.60	1.84	1.16	4.52	8.84	5.67	6.17	3.88	51.48
Stuart Lake	1920	2.63	0.28	1.07	0.62	1.34	2.30	2.79	0.93	3.30	2.43	1.13	1.80	21.02
	1921	1.66	0.83	0.41	0.74	1.90	2.70	1.97	2.37	2.43	1.21	1.41	0.76	18.39
New Hazelton	1920	5.57	0.14	0.92	0.15	0.63	1.20	1.92	1.45	2.52	1.12	0.75	2.38	18.75
	1921	1.38	1.03	0.65	0.57	1.08	1.52	1.46	1.86	1.41	1.47	2.24	0.88	15.54
Prince George	1920	3.99	0.10	0.70	0.71	0.77	1.87	2.11	2.97	2.22	3.68	0.60	1.85	21.57
	1921	1.90	0.44	0.37	0.75	1.27	1.56	0.36	3.01	2.36	0.62	1.76	0.45	14.85
Prince Rupert	1920	12.30	4.20	6.20	4.00	2.90	5.70	0.80	8.60	5.80	8.10	9.70	12.00	80.30
	1921	9.33	13.22	3.68	4.55	3.11	4.21	2.66	4.82	8.32	13.17	10.38	8.66	86.31
Terrace	1920	5.33	1.93	2.26	0.74	1.54	1.38	1.20	1.34	3.40	3.14	4.92	5.61	32.88
	1921	3.81	5.90	2.27	1.01	1.63	2.56	3.10	1.69	2.34	7.77	4.97	5.63	42.68
Vanderhoof	1920	2.50	0.13	0.90	0.47	0.72	1.30	1.48	1.00	2.37	3.17	1.40	1.14	15.44
	1921	1.10	0.40	0.90	0.25	1.24	1.60	1.20	0.76	2.30	2.45	0.65	0.65	13.50

* Sandwick, for November and December, 11 and 25 days respectively.

TABLE No. 18.—SHOWING PRECIPITATION, YEARS 1920–21.

Station.	1920.		1921.	
	Rainfall.	Snowfall.	Rainfall.	Snowfall.
East Kootenay.	Inches.	Inches.	Inches.	Inches.
Cranbrook	11.04	38.50	7.22	65.50
Creston	15.78	40.00	12.88	58.85
Golden	9.60	77.50	13.12	91.00
Wilmer	7.81	40.50	8.12	28.50
West Kootenay.				
Glacier	20.61	456.00	24.69	382.00
Nakusp	19.67	81.25	15.24	83.50
Nelson	.....	.....	14.06	38.20
Revelstoke	.....	.....	.....	.....
Rossland	.....	.....	.....	.....
Boundary.				
Grand Forks	11.42	17.60	10.14	51.40
Hedley	.....	.....	.....	.....
Okanagan Valley.				
Armstrong	17.87	21.00	12.33	38.80
Enderby	14.73	45.25	11.70	42.25
Kelowna	9.11	19.60	8.15	13.25
Penticton	9.65	54.00	10.97	6.70
Summerland	9.48	25.00	8.41	31.50
Vernon	10.50	29.70	9.56	45.90
Thompson Watershed.				
Kamloops	5.61	17.00	4.40	27.45
Salmon Arm	17.34	52.25	9.84	86.75
Tranquille	.....	.....	4.04	14.70
Lower Mainland.				
Agassiz	84.27	21.00	60.08	44.50
Chilliwack	68.53	18.00	71.90	44.00
Coquitlam	77.17	4.00	82.12	23.00
Ladner	50.76	3.00	.....	.....
North Nicomen	83.14	13.00	81.53	29.80
Vancouver	62.69	5.85	58.76	24.25
Islands.				
Alberni (Beaver Creek)	74.70	21.50	73.29	54.00
Clayoquot	129.20	1.25	128.83	2.25
Cowichan	39.58	8.00	51.33	16.50
Goldstream	61.11	25.50	75.14	87.50
Ladysmith	51.56	8.75	59.11	26.75
Nanaimo	36.56	8.50	41.60	22.50
Saltspring Island	40.70	9.00	44.83	27.15
Sandwick	57.71	13.50	47.91	34.00*
Sooke	69.71	11.00	60.45	9.58
Victoria	30.19	1.10	34.22	8.80
Northern.				
Bella Coola	59.19	53.25	45.88	56.00
Stuart Lake	13.71	73.10	14.51	38.60
New Hazelton	11.00	77.50	12.64	29.00
Prince George	14.29	72.75	11.55	33.00
Prince Rupert	.....	.....	81.02	52.90
Terrace	26.99	58.75	36.20	64.75
Vanderhoof	10.94	45.00	10.25	32.50

* Days, November, 11 only; December, 25 only.

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